# National Railroad Passenger Corporation Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



February 28, 1991

RECEIVED

State of Delaware
DNREC
Division of Air & Waste
Management
89 Kings Hwy.
PO box 1401
Dover, DE 19903
Attn: Mr. Alan Simpson

MAR 4 1991

HAZARDOUS WASTE MANAGEMENT BRANCH

Dear Mr. Simpson:

As per your request to comply with regulations 265.16 (d) (1), 265.16 (e) (d) (4) and 265.16 (a) and (b), the training records for PCBs, Hazardous Waste classroom instruction, Fire Brigade Training and Hazardous Communication Training records are included with this correspondence.

I hope the records are satisfactory and bring this facility into compliance. If there are any question involving training records, please contact my office at 302/429-6458.

Sincerely,

Fulton J. Williams, Jr.

Supervisor of Shop Environment

February 7, 1991

RECEIVED

State of Delaware D.N.R.E.C. Div. of Air - Waste Mgmt. 89 Kings Hwy., P.O. Box 1401 Dover, DE 19903

FEB 14 1991

HAZARDOUS WASTE MANAGEMENT BRANCH

Attn: Mr. Alan Simpson

Dear Mr. Simpson:

The violations noted in the N.O.V. dated January 8, 1991 are being addressed as follows. The area North of the Battery house will not be used to store drummed wastes again.

Approximately (13) work days after Toxicity Characterization Leaching Procedure is performed, the material will be transported to the disposal facility. In addition, as soon as the data is gathered, we will supply you with additional training records, course numbers nd attendance rosters for verification as to completion of courses. The S.P.C.C. plan will be amended to elevate this facility to compliance level regarding the handling of hazardous wastes.

If there are any questions, please contact my office at 302-429-6458.

Respectfully,

Fulton J. Williams, Jr.

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Supervisor of Shops Environment

FJW:lt



# National Railroad Passenger Corporation Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



RECEIVED

March 20, 1991

MAR 26 1991

HAZARDOUS WASTE MANAGEMENT BRANCH

State of Delaware

DNREC

Division of Air & Waste

Management

PO Box 1401, 89 Kings Hwy.

Dover, DE 19903

Attn: Mr. Alan Simpson

Mr. Simpson:

The SPCC plan for the Wilmington Maintenance Facility has been amended to, hopefully, comply with State and Federal regulations. The following changes have been made to update the existing SPCC, with more changes to follow.

A listing of product storage areas with a corresponding map location so that a fire team or response team will be able to locate a problem area. Copies of associated labeling and forms relevant to the type wastes generated at this facility are also provided.

The Fire Brigade team is our primary response team, and certification will be handled through training at the Delaware State Fire School which will commence on June 17, 18 and 19th so that they will be better prepared to handle a flammable situation.

We have practiced regular fire drills and training aids to educate our employees. We feel that our standards are very high at this facility and we have hopes of surpassing our present standards.

I hope that the additional information provided will bring this facility into compliance. If there are any other questions concerning the updates, please contact my office at 302/429-6458.

Sincerely,

Fulton J. Williams, Jr.

marlha . Loath

Supervisor of Shop Environment

### National Railroad Passenger Corporation Wilmington Maintenance Facility, 4001 Vandever Avenue, Wilmington, Delaware 19802



March 7, 1991

State of Delaware
DNREC
Division of Air & Waste
Management
89 Kings Hwy.
PO Box 1401
Dover, DE 19903
Attn: Mr. Alan Simpson

Dear Mr. Simpson:

In reference to our conversation regarding training in respect to handling hazardous (flammable materials or situations), this facility has incorporated the following approach. The Fire Brigade team was formulated in 1989, and consists of (5) members. These individuals were trained at the Dover Fire School in 1989. The course was adequate to accommodate any situations referring to hazardous (flammable materials) handling.

The General Manager has appropriated monies to send the members of our Fire Brigade Team to the Dover Fire School during the month of June (the 17th, 18th, and 19th) for a refresher course entitled (Hazardous Materials Site Control). I hope our actions are positive indications that we fully intend to comply with all regulations applicable to this facility.

If there are any questions, please contact my office at 302/429-6458.

Respectfully,

Fulton 9. Williams, Jr.

Supervisor of Shop Environment

FJW/mm

### TWBrzozowski

National Railroad Passenger Corporation 400 North Capitol Street, N.W. Washington, DC 20001







U. S. Environmental Protection Agency Region III 841 Chestnut Buklding Philadelphia, PA 19107



June 9, 1988

U. S. Environmental Protection Agency Region III 841 Chestnut Building Philadelphia, PA 19107

Attn.: Mr. John Nevius (3HW15)

Re: The Wilmington Maintenance Facility

Dear Mr. Nevius:

Confirming our telephone conversation of June 9, 1988, we will deliver to you all available materials regarding solid wastes handling procedures in our Wilmington Facility by July 8, 1988, as agreed in our conversation.

Sincerely,

T. W. Brzozowski

Director-Environmental Control

HELUND OF	OTHER (SPECIFY)	01	
COMMUNICATION	<u> </u>	Phone D 2 Record of item checked above)	02-383-253
TO:	T. Neviu	- E ( DA	TE 6/9/88
T.W. Brzozowski	1) of Man 1	S Enf.	3115 pm.
SUBJECT	1	1 Tafor	, ,
NPOES/RCRA	impound me	nts exte	usion
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7/8/88 60	,	multiple	tearning
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CONCLUSIONS, ACTION TAKEN OR REQUIRED	. 1	· 1 .	O. H.
Le will fend	me a confi	mation.	xever
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INFORMATION COPIES			

Contact T.W. Brzozowski 4/13/48 Director Environmental Control some ald ess Antrak - Notes on initial Del 12 submittal - RCAA generator < 90 day storage 2 waste vil plorage timber? Leseription of 2 waste vil storage to takes? waste stream influent IWWTP attachment 2 6/3/27
suspiced Tank LS-2 const. specs. 7.5 mg/e P6 seropoil #10 cegar tank 5/12/87 ph=12.4 attackment 3 WWTP - sludge analysis 12 pp6 10/30/26 Truns -1, 2 dichlosthyles 390 pp6 + olvene attechnent 5 ZZIPPB ethylbengre 2 outfalls Light TCE in se >50pp6 clarify? is impoundment tall state or find someone who 's wisited that receives - Industrial Stop Floor

Part I
State Permit Number WPCC 3089/85
NPDES Permit Number DE 0050962
Page 2 of 28 Pages

### A. General Description of Discharges and Facilities

### Existing Situation:

Presently, waste water from the Wilmington facility is carried via combined storm, sanitary, and industrial sewers and the majority of the flow is discharged directly to the city sanitary sewer. During heavy and prolonged rains, excess water also flows to the Brandywine Creek tributary through the overflow of a lift station to the Wilmington collection system. This combined with all storm water and seepage from the tributary banks flow through overflow pipes in a containment dam, called Dam B, which is termed Outfall 001. The balance of the facility's water flows to the Shellpot Creek as discharge point #002. This discharge is primarily storm water and does not contain any sanitary waste. (Reference: Schematic flow diagram on page 4.)

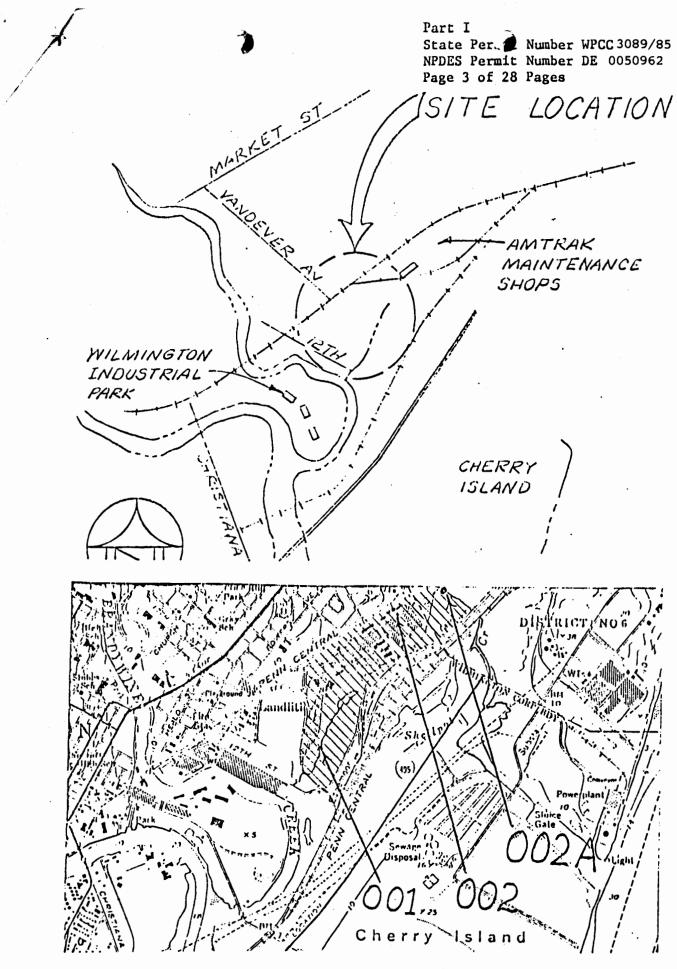
### Planned Program:

The waste water treatment system planned for the Wilmington facility is being done in conjunction with Northeast Corridor Improvement Project (NECIP) and will be accomplished in three phases as shown below:

Phase I includes (a) Dissolved Air Flotation (DAF) system to pretreat industrial runoff, (b) the separation of storm, sanitary and industrial lines, (c) the sealing of abandoned lines, and (d) the paving of a parking lot and a roadway. (Reference: Schematic flow diagram on page 5.)

Phase II will include: (a) the balance of the storm drain installation, (b) the rehabilitation and/or relocation of existing storage tanks and dikes, and (c) the installation of a drum storage area. (Reference: Schematic flow diagram on page 6.)

Phase III includes: (a) the installation of fuel and truck delivery pads, (b) a gravity oil separator, (c) miscellaneous piping, and (d) the balance of the paving of roadways and parking lots. (Reference: Schematic flow diagram on page 7.)



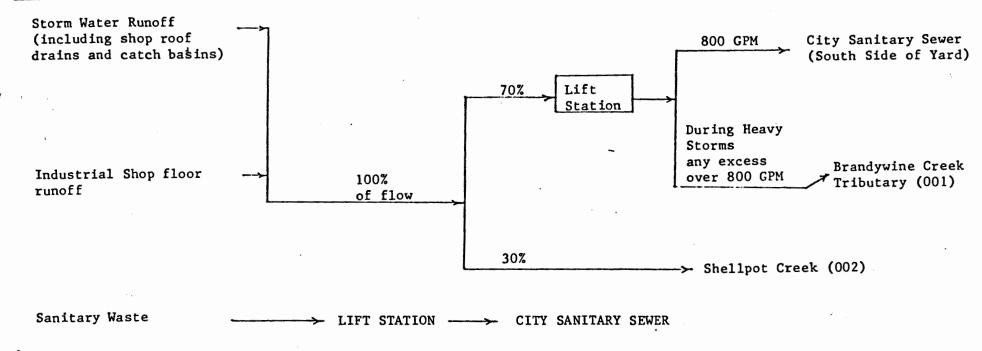
001 : Adjacent to Dam B in Brandywine Creek Tributary

002: Last manhole of 30" storm sewer in Amtrak's maintenance yard

002A: Outfall of 42" storm sewer in Shellpot Creek (proposed)

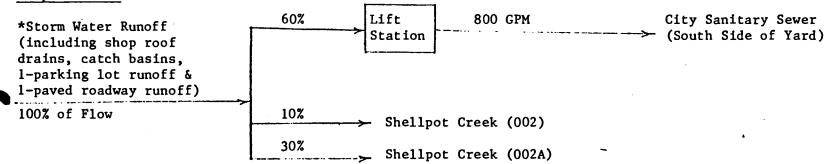
# SCHEMATIC OF WATER FLOW (Amtrak Maintenance Facility) Wilmington, Delaware

### A. Existing

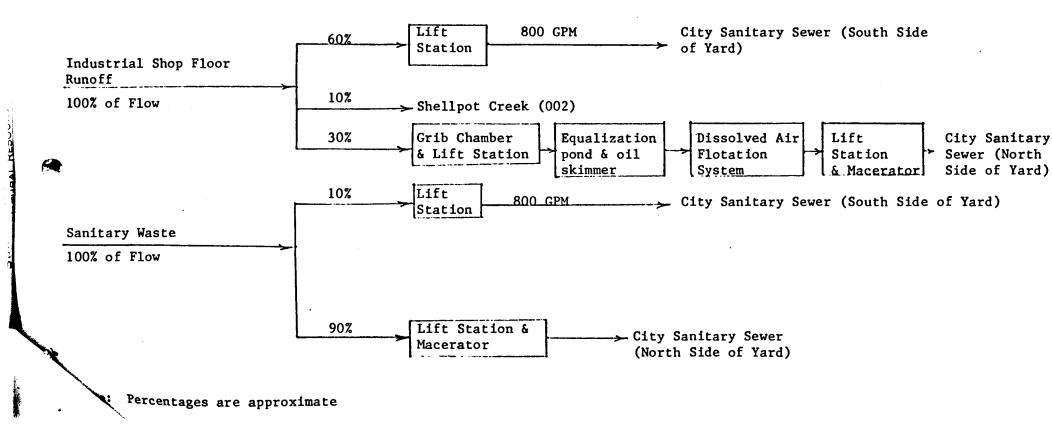


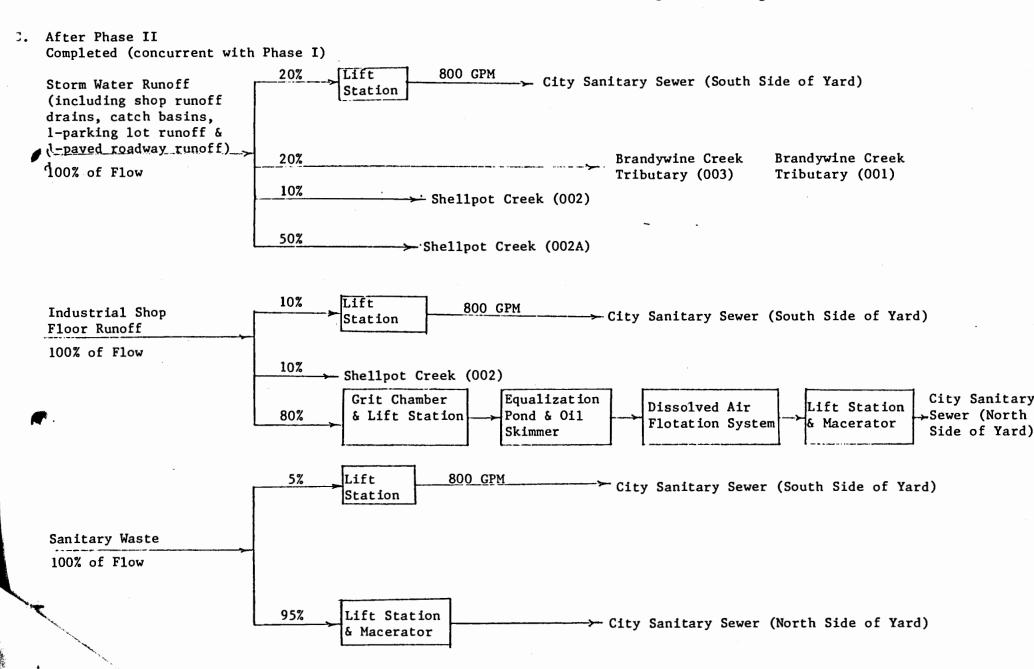
Note: Percentages are approximate

# B. After Phase I Completed

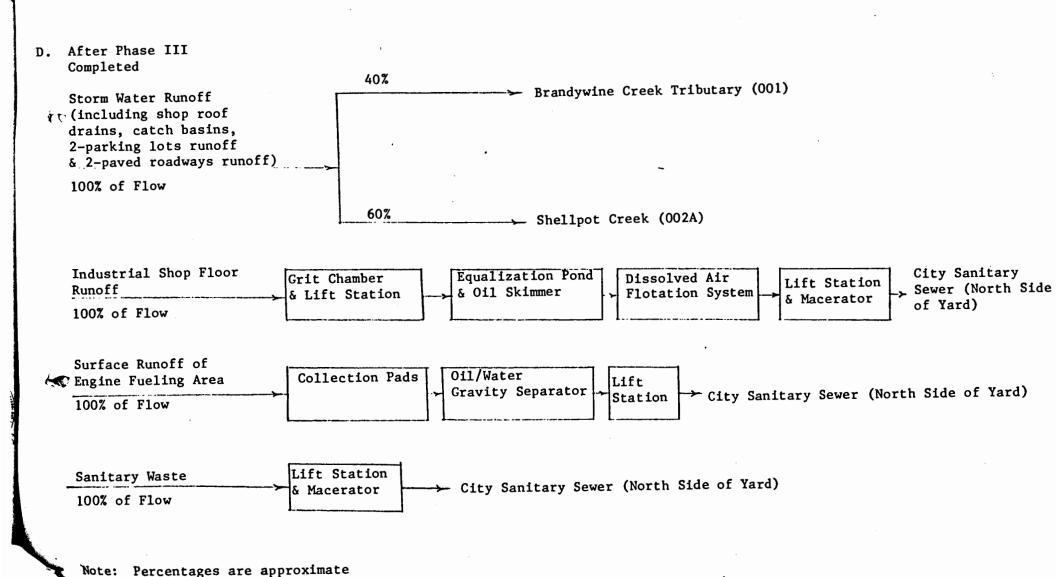


\*Note: Excluding one (1) new shop and three (3) rehabilitated shops roof drains - south side of yard.





mentages are annrovimate





# STATE OF DELAWARE DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL

#### DIVISION OF AIR & WASTE MANAGEMENT

89 KINGS HIGHWAY P.O. BOX 1401 DOVER, DELAWARE 19903

TELEPHONE: (302) 739 - 4764

OFFICE OF THE DIRECTOR

January 8, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 309 727 619

NOTICE OF VIOLATION 91-HW-03

Mr. B.J. Tripoli
Plant Manager
National Railroad Passenger Corporation
Wilmington Maintenance Facility
4001 Vandever Avenue

SEN

Wilmington, DE 19802

Reference: DED060058062, File Code 09

Dear Mr. Tripoli:

The Department of Natural Resources and Environmental Control, Hazardous Waste Management Branch, completed a Hazardous Waste Compliance Evaluation Inspection at the Amtrak Wilmington Maintenance Facility on November 8, 1990. Based on this inspection, and in accordance with 7 <u>Del. Code</u> Section 6309, this Notice is to advise you that Amtrak is in violation of 7 <u>Del. Code</u> Chapter 63 and the Delaware Regulations Governing Hazardous Waste(DRGHW).

The violations include, but are not limited to the following:

- 1.) During the November 8 inspection a number of drums in the shipment staging area, located next to the battery house were improperly labeled. One drum of sludge was labeled non-hazardous, but labeled as ignitable. Two drums of Proceco sludge were labeled as hazardous product, rather than hazardous waste. One drum labeled Proceco had no other information on the label. Three drums had no labels at all. Because hazardous waste is accumulated in this area, the area is considered a hazardous waste accumulation area and therefore Section 262.34(a) and those Sections of Part 265 referenced by Section 262.34(a), apply to this area. Failure to comply with labeling requirements is a violation of 262.34 (a).
- 2.) The arrangement of drums in the shipment staging area did not allow for the reading of drum labels in an emergency. Failure to allow for visible inspection of labels is a violation of 262.34(a)(2).

- 3.) A telephone which is accessible 24 hours a day, an internal communication system, or an alarm system capable of providing immediate emergency instruction was not located near or at the shipment staging area. Failure to have a communication system is a violation of Section 265.32 (a) or (b).
- 4.) The fire control equipment near the shipment staging area (hose house number three) was locked to most employees. Failure to make fire control equipment always available to those who would carry out the contingency plan is a violation of Section 265.32(c).
- 5.) A "No Smoking" sign was not located at the shipment staging area. Failure to post this sign is a violation of Section 265.17(a).
- 6.) At the shipment staging area, a drum labeled waste caustic flakes had an accumulation start date of July 31, 1990. Section 262.34(a) requires that this drum be at Amtrak no longer than 90 days.
- 7.) A "No Smoking" sign was not located at the hazardous waste staging area, located near the blacksmith shop. Failure to post this sign is a violation of Section 265.17(a).
- 8.) During the November 8, 1990 inspection, Amtrak could not provide records for the training of Amtrak personnel in the management of ignitable, corrosive and other wastes considered hazardous under Part 261. Failure to provide this documentation is a violation of Section 265.16(d)(4) and (e).
- 9.) Amtrak uses its Spill Prevention, Control and Countermeasures (SPCC) plan as its hazardous waste contingency plan. In accordance with Section 265.52(b) if an owner operator has already prepared a SPCC plan, the owner operator must only amend the plan to incorporate hazardous waste management provisions required in Part 265, Subpart D. The State of Delaware Hazardous Waste Management Branch has reviewed Amtrak's SPCC plan and determined that Amtrak is in violation of the following requirements.
  - The General Manager's signature on the SPCC plan does not give the emergency coordinator the authority to utilize resources needed to carry out emergency procedures.
  - The Spill Prevention, Control and Countermeasures Plan does not include procedures to deal with fire caused by the ignitable hazardous wastes accumulated at the two hazardous waste accumulation areas. Failure to include these procedures is a violation of Section 265.52(a). In addition the plan does not list all fire equipment. Failure to include this list is a violation of Section 265.52(e).
  - The Spill Prevention, Control and Countermeasures Plan does not include procedures for notifying the State of Delaware Department of Natural Resources and Environmental Control, and the United States Environmental Protection Agency whenever there is an imminent or actual emergency situation. Failure to include these procedures is a violation of Sections 265.52(a)/265.56.

Upon receipt of this Notice, you must immediately comply with the above cited regulations and within thirty (30) days submit documentation to the Department demonstrating compliance. Submitted documentation is to include, but is not limited to:

- 1.) Information demonstrating that all drums in the shipment staging area have been properly labeled in accordance with Sections 262.34(a)(2) and (3).
- 2.) Information demonstrating that there is sufficient aisle space to allow for visible inspection of drum labels in accordance with Section 262.34(a)(2).
- 3.) Information demonstrating that a telephone or internal communication system which is accessible 24 hours a day has been installed in or near the shipment staging area in accordance with 265.32(a) or (b).
- 4.) Information demonstrating that fire control equipment, at or near the shipment staging area, is always available to those who would carry out the contingency plan during an emergency.
- 5.) Information demonstrating that a "No Smoking" sign has been installed at the shipment staging area and the hazardous waste staging area in accordance with Section 265.17(a).
- 6.) Written procedures that insure drums of hazardous wastes are not accumulated over 90 days.
- 7.) Information demonstrating that Amtrak has conducted training that includes the elements described in Sections 265.16(a)(2) and (3) for all Amtrak personnel who have the potential to handle hazardous waste under emergency or under normal operating situations. Attendance records and a description of training course contents shall also be submitted.
- 8.) An amended Spill Prevention, Control and Countermeasures Plan which includes hazardous waste management provisions in accordance with Part 265 Subpart D.

Please submit documentation demonstrating compliance within thirty (30) days to:

Alan H. Simpson

Department of Natural Resources and Environmental Control

Division of Air and Waste Management

Hazardous Waste Management Branch

89 Kings Highway

P.O. Box 1401

Dover, Delaware 19903

Notice Of Violation Page 4

Failure to comply with these requirements may result in further enforcement action pursuant to 7 <u>Del. Code</u>, Section 6309.

If you have any questions regarding the content of this letter, please feel free to contact Alan Simpson of the Hazardous Waste Management Branch at 302/739-3689.

Sincerely,

Phillip O. Retallick

Director

PGR:AHS:mlk AHS90098

Cc: John M. Kinney Nancy C. Marker Alan H. Simpson Bruce Cole

Fulton J. Williams, Jr.

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#### CHECKLIST FOR OVERVIEW OF HAZARDOUS WASTE INSPECTION

Name of Facility: Amtiak - Wilmington Maintenance Facility					
Address: 4001 Vandever Avenue					
Wilmington, DE 14802					
EPA Generator ID Number: DED 06005806.1					
Date of Inspection: November 8, 1490					
Inspector: Alan Simpson					
Facility Inspection Representative: Fulton J. Williams, Jr.					
Title: Environmental Supervisor					
Telephone Number: (302) 429 6458					
Review of DNREC Records					
262.20(a); 262.44 & 262.40(a)  Large and small quantity generators must fill out a manifest to include the information required by the form shown in Appendix II for each shipment of hazardous waste. Item 12, container type, indicates whether the accumulation areas utilize containers and/or tanks. There are separate checklists for containers and tank accumulation areas.  I reviewed the manifests in the DNREC files going point thin 1984. Manifest have been filled out correctly. Missing manifests were submitted by American after the inspection, and then the total amounts of hazardous works shown in the 1889 manifests and the amounts Shown on the 1889 manifests and the amounts Shown on the 1881 annual report charled and 262.34(c),(a)  Do the manifests show the generator to be a large or a small quantity generator?  My compilation of the 1889 manifests in the DNREC file and Amiros's 1984 annual report and 1989 Notification agree that the Company 18 at LARGE QUANTITY GENERATOR					
262 Subparts E & F Generators whose manifests or annual reports show they export or import hazardous waste must meet the requirements in Subpart E & F of 262.					
Not applicable - This facility does no exporting or importing of huzadors					
Waste - per manifest review book to 1984					
Ataba of Balance's Majordan Waste Sansan					

Review of DNREC Records (continued)

262.42(b)

Large Quantity Generators must submit an exception report for any shipment not received by the designated TSD within 45 days of initial transport.

NA - shipments of hazardous wastes were received by the TSD within 2 weeks

262.41 Large Quantity Generators must submit an annual report by March 1 for the preceding calendar year. The report must include the information required by the form shown in 262 Appendix I.

An annual report for the relendor year 1989 was submitted and dated February 15,1490. This unnual report rentained the required

NOTE: 262.44 & 262.40 exempt small quantity generators from annual reports and exception reporting.

2

# HAZARDOUS WASTE CHECKLIST FOR INSPECTION OF LARGE QUANTITY GENERATORS Name of Generator: AMTRAK, Wilmington Maintenance Firstry Date of Inspection: November 8,1940

On Site Record Review

#### TRAINING RECORDS

#### 265.16(d)(1)

Generator must have a list of personnel names and job titles who handle hazardous waste.

There is no record of hazardous waste training.

Inspector: Alan Simpson & Bruce lolo

#### 265.16(c)

Those on the list must be trained annually.

There is no record of hozardous woste training.

#### 265.16(e) and 265.16(d)(4)

Attendance and course contents records must be kept by the generator for  $\boldsymbol{3}$  years.

There is no record of hozordous waste training.

#### 265.16(a) and (b)

New personnel who handle hazardous waste must have initial training within 6 months of their starting.

There is no record of hozardous waste training.

State of Deloware's Hezardons vante Minagement Brinch

#### Large Quantity Generator On Site Record Review (continued)

#### CONTINGENCY PLAN

265.53(a)

Generator must have a copy of his contingency plan at his site.

Fulton Williams has a ropy of Amtrok's May 29, 1989 "Spill Prevention Control and Countermeasure Plan". This plan also serves as Amtrok's hazardaus waste contingency plan

265.52

The contingency plan must contain the following:

- a.,b.&f. A description of who does what during a health of environmental emergency caused by the accumulation area including evacuation plans if the type of waste make that necessary.
- c. Plans for coordinating with outside emergency response teams if the type of waste accumulated requires such coordination.
- d. The home and office phone numbers of inplant personnel involved in carrying out the plans.
- e. A list of emergency equipment utilized in the plans.

Amtrok shipped out woste flammables in 1984 & 1990. However Amtrot has not handled reactive type wostes or toxic gases. Theretore:

- a. the plan is lacking in who does what in an emergency for fire.
- he the Spec plan has not been amended to comply with hazordous maste asports
- C. agencies & spill response contractors are listed on page 2 no preactingements are norther
- d. Ct. seepage 7
- e, or for spills but don's not address flammables
- F. OK. no evacuation is necessary

265.55

The contingency plan must have an emergency coordinator on standby at all times who has the authority to commit the resources needed to carry out the contingency plan.

OSC are designated on page 7 but doubtful that he has been given authority for resources

2

... ........

#### Large Quantity Generator On Site Record Review (continued)

265.56(c)

The emergency coordinator must be knowledgable to assess possible results from a release.

OK These on the list should be knowledgable.

265.56 and 265.52(a)

The contingency plan must have a procedure for notifying DNREC and EPA.

There is no procedure for notifying

265.37

Information on the waste accumulation area aid plant must be given to local police, fire departments and hospitals.

Considering the type of wastes, this is not necessary.

#### INSPECTION RECORDS

265.174 (for container accumulation)

Generator must have records of weekly inspections of the accumulation

Fulton William's says he insperts the hozardous waste accumulation areas weekly, but has no records showing Those inspertons. The regulation do not require that records of the inspertons to Rept.

3

... .......

#### Large Quantity Generator On Site Record Review (continued)

265.196(a) and (c) (for tank accumulation)

Generator must have records of daily inspections of the above ground portions of the tank system.

NA - huzardous wostes are not accumulated in lantes.

265(b) and (c) (for tank accumulation)

Generator must have records of less frequent inspections of cathodic protection system.

NA - hazaidous wostes are not accumulated in tanks

#### RECORDINEEPING

262,40(a) and (b)

Generator must retain all his manifests and exception reports for 3 years.

Fulton Williams has his coppes of the counitests going back thru 1985.

262.40(b)

Generator must retain all his annual reports for 3 years.

Fulton Will ons has annual reports in his office ter 1987, 1987, 1989

262.40(c)

Generator must retain records of test results utilized to make a hazardous waste determination for  $3\ \text{years}$ .

There is no Hishma of Safety Hispan material. Must testing is due on non-new ridges FCB and interest of the few miscellaneous naturaless were shipping nown one and applying the hore those test results regal for syears

Page 5 of the Creeklist is applicable only to topics or nazwaste. Amirak

#### Large Quantity Generator Observations at the Container Accumulation Area

#### Accumulation Area Identification:

Cutside hazardan waste staging area
(in back of the locacogallon PCB contominated of tank and
near the place smith shop)

262.34(a)(3)

There must be on each container of hazardous waste a label with the words "Hazardous Waste".

There were no drums of hazanlaus waste in this area at the time of our inspertion

262.34(a)(2)

On each container must be an accumulation start date (per 262.34 (c)(2) the accumulation start date is the day the container is moved out of the generation area to the waste accumulation area).

NA -

262.34(a)

No container can remain on site for more than 90 days after its accumulation start date unless DNREC has granted a 262.34(b) extension.

NA -

265.35

The aisle space must allow unobstructed movement of personnel and emergency equipment.

There were drums of pan-hazardous waste in the area of the time of our inspertion and there was sufficient aisle space

265,17(a)

Ignitable wastes should not be close to sources of ignition.

There were no sources of ignition in the area

6

LOS Checklist

#### LQG Observations at the Container Accumulation Area (continued)

265.17(a

There should be a no smoking sign near ignitable wastes.

There were no such signs in the area

265.32

The area must have the following if the type of waste accumulated has the potential to create an emergency:

265.34(a)

An internal communication system if the accumulation area is remote.

265.34(b)

A telephone to summons emergency response teams.

265.34(c)&(d)

Fire extinguishing equipment which is tested and maintained (265.33).

a) the area is not remote

b) There is a telephone in the nearby power house which is apen 24 hours a day

() (d) there is a small fire extinguisher in the power house.

265.171

Containers must be in good condition.

NA - there were nodrums of hozardaus waste

265.173(a)

Containers must be closed.

NA - there were no drums of hozardous waste

265 173(b) and 265 31

Containers must be stored and handled in a manner which will not cause the container to spill or leak or some other mishap.

Time is no visual evidence of a mishop

7

LQG CH+CK111t

#### LQG Observations at the Container Accumulation Area (continued)

264.177(a)

Container labels should indicate no incompatible wastes have been placed in the same container.

NA - there were no drums of hazardous wastes

265.177(c)

Incompatible wastes must be separated by a dike, berm, wall or other device.

NA - there were no drums of hazardous wostes

265.172

Hazardous wastes must be compatible with their containers.

NA - there were no drums of hozordous wastes

265.177(b)

Hazardous waste must not be placed in containers previously holding incompatible materials unless the containers were cleaned.

NA-there were no druins of hazardous wastes

265.176

Ignitable or reactive hazardous wastes must be accumulated at least 50 feet from the property line.

The area is very far from the property line

g

Large Quantity Generator Observations at the Container Accumulation Area

Accumulation Area Identification:

Critiside Shipment Staging Area
( next to the bullery nouse and drums of incoming raw materials)

262.34(a)(3)

There must be on each container of hazardous waste a label with the words "Hazardous Waste".

(see adderdum topoge6)

262.34(a)(2)

On each container must be an accumulation start date (per 262.34 (c)(2) the accumulation start date is the day the container is moved out of the generation area to the waste accumulation area).

(see adderdum to page 6)

262.34(a)

No container can remain on site for more than 90 days after its accumulation start date unless DNREC has granted a 262.34(b) extension.

A arum labeled woste roustic flates had an arcumulation start date of 7/31/90

265.35

The aisle space must allow unobstructed movement of personnel and emergency equipment.

Latels were not always faring outward and drams had to be turned to read them. However there was sufficient asses space to handle on emergency.

265.17(a)

Ignitable wastes should not be close to sources of ignition.

Thre were to sources of gritton in the area

6

## Adderdum to page 6

There is a problem with drain inventory and labeling in this area where non-travoidous worstes and incoming row materials are also stored.

- Three drums process papeled Process were labeled corrusive but labeled non-hazardous.
- Three drums had no labels at all. Two were thought to be

  Proceco wastes and as one was Thought to be a drum or ignitable

  linseed oil rage
- · One drum Plaheled sludge heavy grosse and rags was also lubeled non-hozardous but lubeled as ignitable. It had a 216190 accumulation start date.
- · Two drums labeled Process studge was labeled hazordous product but not nazordous waste
- . One drum labeled Provers had no other interingthin on the label

#### LOG Observations at the Container Accumulation Area (continued)

265.17(a)

There should be a no smoking sign near ignitable wastes.

There were no such signs in the area

265.32

The area must have the following if the type of waste accumulated has the potential to create an emergency:

265 34(a)

An internal communication system if the accumulation area is remote.

265.34(b)

A telephone to summons emergency response teams.

265.34(c)&(d)

Fire extinguishing equipment which is tested and maintained (265.33).

- a) the area is remote from 24 nour maned areas
- b) there is no telephane with 24 hour a day access

265.171

Containers must be in good condition.

SK

265.173(a)

Containers must be closed.

SK

265.173(b) and 265.31

Containers must be stored and handled in a manner which will not cause the container to spill or leak or some other mishap.

Time is no visual evidence of a mistrop

7

... .........

#### LQG Observations at the Container Accumulation Area (continued)

264.177(a)

Container labels should indicate no incompatible wastes have been placed in the same container.

There were no such indications

265.177(c)

Incompatible wastes must be separated by a dike, berm, wall or other device.

The generator does not generate incompatible hozarlais wastes

265.172

Hazardous wastes must be compatible with their containers.

There were no wastes not compatible with their confainers

265.177(b)

Hazardous waste must not be placed in containers previously holding incompatible materials unless the containers were cleaned.

There were to indications of this

265.176

Ignitable or reactive hazardous wastes must be accumulated at least 50 feet from the property line.

The property line appears to be over 96 foot but 1255 than an foot. It is included traile used for Amtrate passenger trailing is diaul 160 foot sem incored

L Q 6 C N + C 4 1 1 5 C

#### Small or Large Quantity Generators Observations at the Satellite Area

Satellite Area Identification (process generating the waste; satellite area location):

Three Safety Kleen Spray gun cleaning stations

262.34(c)(1)

The satellite area must be near the process which generates the hazardous waste.

The satellite areas for accumulating the wastes are right next to the spray gun reaning stations

262.34(c)(1)

Each satellite area is limited to 55 gallons of hazardous waste (one quart of P listed wastes).

A single drum 1855 Than 55 gallons is used to occumulate wostes or each of the cleaning stations

265.171

Containers must be in good condition.

Cartainers are in good condition

265.173(a)

Containers must be closed.

Containers are closed

265.172

Hazardous wastes must be compatible with their containers.

Solvent type wastes are in steel drams

262.34(c)(l)(ii)

The containers of hazardous waste must be labeled as hazardous waste or their contents identified.

TI CROITENTS OF the drums is identified



# PILE COPY

# STATE OF DELAWARE DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL

#### DIVISION OF AIR & WASTE MANAGEMENT

89 KINGS HIGHWAY P.O. BOX 1401 DOVER, DELAWARE 19903

TELEPHONE: (302) 739 - 4764

OFFICE OF THE DIRECTOR

January 8, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 309 727 619

NOTICE OF VIOLATION 91-HW-03

Mr. B.J. Tripoli
Plant Manager
National Railroad Passenger Corporation
Wilmington Maintenance Facility
4001 Vandever Avenue
Wilmington, DE 19802

C45

Reference: DED060058062, File Code 09

Dear Mr. Tripoli:

The Department of Natural Resources and Environmental Control, Hazardous Waste Management Branch, completed a Hazardous Waste Compliance Evaluation Inspection at the Amtrak Wilmington Maintenance Facility on November 8, 1990. Based on this inspection, and in accordance with 7 <u>Del. Code</u> Section 6309, this Notice is to advise you that Amtrak is in violation of 7 <u>Del. Code</u> Chapter 63 and the Delaware Regulations Governing Hazardous Waste(DRGHW).

The violations include, but are not limited to the following:

- 1.) During the November 8 inspection a number of drums in the shipment staging area, located next to the battery house were improperly labeled. One drum of sludge was labeled non-hazardous, but labeled as ignitable. Two drums of Proceco sludge were labeled as hazardous product, rather than hazardous waste. One drum labeled Proceco had no other information on the label. Three drums had no labels at all. Because hazardous waste is accumulated in this area, the area is considered a hazardous waste accumulation area and therefore Section 262.34(a) and those Sections of Part 265 referenced by Section 262.34(a), apply to this area. Failure to comply with labeling requirements is a violation of 262.34 (a).
- 2.) The arrangement of drums in the shipment staging area did not allow for the reading of drum labels in an emergency. Failure to allow for visible inspection of labels is a violation of 262.34(a)(2).

Upon receipt of this Notice, you must immediately comply with the above cited regulations and within thirty (30) days submit documentation to the Department demonstrating compliance. Submitted documentation is to include, but is not limited to:

- 1.) Information demonstrating that all drums in the shipment staging area have been properly labeled in accordance with Sections 262.34(a)(2) and (3).
- 2.) Information demonstrating that there is sufficient aisle space to allow for visible inspection of drum labels in accordance with Section 262.34(a)(2).
- 3.) Information demonstrating that a telephone or internal communication system which is accessible 24 hours a day has been installed in or near the shipment staging area in accordance with 265.32(a) or (b).
- 4.) Information demonstrating that fire control equipment, at or near the shipment staging area, is always available to those who would carry out the contingency plan during an emergency.
- 5.) Information demonstrating that a "No Smoking" sign has been installed at the shipment staging area and the hazardous waste staging area in accordance with Section 265.17(a).
- 6.) Written procedures that insure drums of hazardous wastes are not accumulated over 90 days.
- 7.) Information demonstrating that Amtrak has conducted training that includes the elements described in Sections 265.16(a)(2) and (3) for all Amtrak personnel who have the potential to handle hazardous waste under emergency or under normal operating situations. Attendance records and a description of training course contents shall also be submitted.
- 8.) An amended Spill Prevention, Control and Countermeasures Plan which includes hazardous waste management provisions in accordance with Part 265 Subpart D.

Please submit documentation demonstrating compliance within thirty (30) days to:

Alan H. Simpson

Department of Natural Resources and Environmental Control
Division of Air and Waste Management
Hazardous Waste Management Branch
89 Kings Highway
P.O. Box 1401
Dover, Delaware 19903

```
************************
               RCRIS: Notification View Screen 2 of 6
************************
*EPA Id: DED060058062
                     Other Id:
                                             Merge Send: Y
*Date Received(MMDDYY): 081880
                            Source ( N/E/S ): N Non-Notifier Flag:
*Date Acknowledged (MMDDYYYY):
                                     Send Acknowledgement:
*Name of Installation: WILMINGTON MAINTENANCE FACILITY
                  Installation Location Address
*Streets:
         FOOT OF VANDEVER AVE
*City:
         WILMINGTON
                                 State:
                                        _{
m DE}
                                            Zip:
                                                   19801
                   County Name: NEW CASTLE
*County Code: 003
                  Installation Mailing Address
         400 N CAPITOL ST NW
*Streets:
                                 State:
*City:
         WASHINGTON
                                        DC
                                            Zip:
                                                   20001
                     Contact Information
                First Name
                                   Title
                                               Phone Address (M, L, O) *
   Last Name
                              SENIOR DIR ENV
                                            2023833000
* NOONAN
               ROBERT T
         FOOT OF VANDEVER AVE
*Streets:
                                        DE
                                            Zip:
                                                   19801
         WILMINGTON
                                 State:
*City:
*Land Type:
*****
* Enter-Continue
                     F1-Previous Screen
                                          F3-Exit
****************
               RCRIS: Notification View Screen 3 of 6
                        Other Id:
 EPA Id:
           DED060058062
                                              Source: N
 Owner Sequence Number:
                        1
                                              Type of Owner:
 Ownership: NATIONAL RAILROAD PASSENGER CORPORATION
                    Address of Owner/Operator
     Street: OWNERSTREET
                                  State: AK Zip Code
                                                     99999
     City:
            OWNERCITY
            2155551212
     Phone:
 Current/Previous Indicator: CO Change Date (MMDDYY):
**************
                                  F3-Exit
                                                 F5-Curr. Owner
 Enter-Continue
               F1-Previous Screen
                   F8-Help
                                  F9-First
                                                 F10-Next
 F6-Prev. Owner
               RCRIS: Notification View Screen 4A of 6
 EPA Id: DED060058062
                      Other Id:
                                           Source:
                                                      State Reg
                     RCRA Reg
                                RCRA Reg
                                          State Req
   Waste
              Type
                                           Status
                                                       Desc
  Activity:
                      Status
                                 Desc
```

R 1 ·\* HW Generator \* HW TSD \* HW Transporter Mode of Rail Highway Transportation: Air Water Other \* HW Burner/Blender \* NHW Used Oil Recycler \* Underground Injection Control: \* Recycler: \* F1-Previous Screen F3-Exit \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* RCRIS: Notification View Screen 5 of 6 \* EPA Id: DED060058062 Other Id: Source: Ν Hazardous Waste Codes: Specific/Non-Specific/Commercial/Chemical D000 D007 F001 \* F1-Previous Screen F3-Exit \*Enter-Continue

F9-First

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*F8-Help

F10-Next

### FINDS CHANGE/DELETE FORM

Requestor, s name C	belen Mc An	elly Da	to 4-6-94
System RCR	15	Phone Number	6566
Type of Action:	CHANGE [V]	DELETE	( )
			• • • • • • •
Data as it appears	in finds:		01 (RCP)
EPA ID NUMBER: $DE$	0 0 60 0 5 8 0 6 Z	SOURCE ID #	1010 F FRANCE
NAME OF FACILITY:			
FACILITY LOCATION:			
•	city: WIL M		
	State: DE		21P 19801
	County name:		
•	County code:	· · · · ·	
	Latitude	Long	itude
Information to be used on the second of the	OI (RCRIS)	· · · · · · · · · · · · · · · · · · ·	
FACILITY LOCATION:		VANDEVE	R AVE
	City: WIL MI		
	State: DE		19802
	County name:	· ·	
	County code: _		laa.
			itude
Other Systems Requi			
	DES ST		
TSCA CDS	Fλ	TES 1	DOCKET



### ACKNOWLEDGEMENT OF NOTIFICATION OF REGULATED WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

DED060058062

WILMINGTON MAINTENANCE FACILITY 4001 VANDEVER AVE WILMINGTON - DE 19802

ROBERT DUNCAN MGR

INSTALLATION ADDRESS

4001 VANDEVER AVE WILMINGTON DE 19802

EPA Form 8700-12A (6-90)

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is and Recovery Act).

0

# **⊕**EPA

## Notification of **Regulated Waste Activity**

**Date Received** (For Official Use Only)

required by law (Section 3010 of the Resource Conservation United States Environmental Protection Agency 1. Installation's EPA ID Number (Mark 'X' in the appropriate box) C. Installation's EPA ID Number B. Subsequent Notification A. First Notification Х (complete item C) 0 0 5 8 6 2 11. Name of Installation (Include company and specific site name) Т 0 - M N Ν !!!. Location of Installation (Physical address not P.O. Box or Route Number) Street Street (continued) State City or Town ZIP Code 9 County Code **County Name** IV Installation Mailing Address (See Instructions) Street or P.O. Box State ZIP Code City or Town emention Contact [Person to be contacted regarding waste dentities at Site) (first) Name (last) D U N Α N KIO Job Title Phone Number (area code and number) 3 0 2 2 9 6 3 G E R N M VI. Installation Contact Address (See Instructions) A. Contact Address B. Street or P.O. Box Location Mailing ZIP Code City or Town VII. Ownership (See instructions) GENERAL STATE SECTION A. Name of Installation's Legal Owner В 0 R D OF A 3-28-94 Street, P.O. Box, or Route Number 0 S E City or Town State ZIP Code 2 S G T 0 N C 0 0 (Date Changed) Owner Type D. Change of Owner Land Type Year Month Day Indicator Phone Number (area code and number)

P

No

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: Notification of Hazardous Waste Activity:

Dear Hazardous Waste Handler:

The U.S. Environmental Protection Agency (EPA) has received your notification form, which you filed pursuant to Section 3010 of the Resource Conservation and Recovery Act, as amended.

We have reviewed the form and are returning it to you for clarification or missing information as indicated below:

	[ ]	Location address inappropriate; complete street address required.
ل	$\bowtie$	Required items which are missing are circled in red.
-	[ ]	Signature/date missing.
	[]	The form was illegible. A new form is enclosed.
		return the complete form together with this letter to the address indicated in d no later than
	ED 4	

EPA will consider you as having not notified and in violation of Section 3010 of the Act if you do not complete and return this form by the date indicated.

If you have any questions pertaining to the Notification Form call (215) 597-3884.

Sincerely,
Harriet Monell

Harriet Morrell for Pat Gaughan Environmental Protection Assistant General Permits Section (3HW52)

Enclosure

MEMORANDUM OF CALL	Previous editions usable
TO: 50/	L <sub>1</sub>
YOU WERE CALLED BY-	YOU WERE VISITED BY-
OF (Organization) and	rab
PLEASE PHONE ▶	FTS   AUTOVON
WILL CALL AGAIN RETURNED YOUR CALL	IS WAITING TO SEE YOU
MESSAGE UNTULLAND	ighen to
ree Panel	rundo NSPCC
Mas	8/17/ 1:15
63-110 NSN 7540-00-634-401 ±U.S.GPO:1986-0-491-247/20042	STANDARD FORM 63 (Rev. 8-81) Prescribed by GSA FPMR (41 CFR) 101—11.6



July 26, 1988

Mr. John Nevius (3HW15)
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Mr. Nevius:

This is in response to EPA's request of June 3, 1988 regarding the status of Amtrak's maintenance facility in Wilmington, Delaware, as a generator, treater, or disposer of hazardous waste.

In addition to the information we submitted to your office on February 16, 1988, the following data is forwarded:

Since 1985, Amtrak has generated and disposed of three different types of solid wastes from the Wilmington Facility.

- 1. Ignition tubes One hundred and eleven (111) tubes containing mercury were disposed between February and April of 1986.

  The hazardous mercury was reclaimed and the tubes themselves were landfilled.
- 2. Crushed drums One thousand and eight (1008) drums were crushed and disposed by CECOS in Niagara Falls, New York, and Metro Container in Trainer, PA.

The waste oil drained from these drums was stored in two waste oil storage tanks in the facility (LS#Z and LS#10) and reclaimed by Petrocon in Valley Forge, PA and Petroleum Recycling, Inc., in Clayton, N. J.

3. Battery Car- - Amtrak has no record indicating the number of carcasses disposed of in the past. Generally, the batteries were sealed to ensure no electrolytes would leak from the casings, then banded to pallets and reclaimed by Sab-Nife in Greenville, N. C.

In reference to onsite treatment units, Amtrak has a 250 gpm wastewater treatment system, Dissolved Air Flotation, at the facility. It uses oil skimmers, acid, alkaline, alum, polyelectrolyte and air to separate non-hazardous oil (free and emulsified) and sludge prior to discharge of the wastewater into the city sanitary sewer.

I hope the above information fulfills EPA's requirements on the hazardous waste matter. Should you have any further questions, please contact me at (202) 383-2599 in Washington, D.C.

A C HI CIH

Charles C. Lin

Manager - Environmental Control

partielle production production of

#### C. C. Lin

National Railroad Passenger Corporation 400 North Capitol Street, N.W. Washington, DC 20001



Mr. John Nevius (3HW15)
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION III

#### 841 Chestnut Building Philadelphia, Pennsylvania 19107

JUN 7 3 1988

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. T. W. Brzozowski Director Environmental Control National Passenger Corporation - AMTRAK 400 North Capitol Street, N.W. Washington, DC 20001

Re: The Wilmington Maintenance Facility

Dear Mr. Brzozowski:

Region III of the United States Environmental Protection Agency (EPA) has conducted a review of our Resource Conservation and Recovery Act (RCRA) and National Pollutant Discharge Elimination System (NPDES) files for the above-referenced facility located in the State of Delaware. As a result of this review, EPA has concluded that some additional information is required to determine the status of this facility as a generator, treater, storer, or disposer of hazardous waste.

Pursuant to the provisions of RCRA, 42 U.S.C. §§ 6901 et seq, the Administrator of the EPA authorized the State of Delaware on June 22, 1984 to carry out portions of a hazardous waste program. The Delaware regulations, 7 Delaware Code Chapter 63, through this authorization became requirements of the EPA program of Subtitle C of RCRA.

In order to determine the status of the above-referenced facility, we hereby request, pursuant to Section 3007 of RCRA, 42 U.S.C. § 6927, that you furnish to EPA, within 14 calendar days of receipt of this letter, the following information:

- 1. Identify all solid wastes generated by the above-referenced facility since November 19, 1980.
- 2. Provide copies of the hazardous waste determinations made concerning the solid wastes, described in response to paragraph 1, as required by 40 C.F.R. § 262.11 and the equivalent State of Delaware regulation § 262.11. Provide a description of the hazardous waste determinations made for those solid wastes for which copies are not available.

3. Describe the methods of onsite and offsite treatment, storage and disposal for each solid waste identified in response to paragraph 1. For all onsite treatment units (including, but not limited to the facility with NPDES permit number DE0050962) provide a name and brief description, including construction design, materials used in construction and dimensions.

If some or all of the above requested information has been previously submitted to this office, please reference this information in your reply.

Failure to provide information requested pursuant to Section 3007 of RCRA constitutes a violation of RCRA. Section 3008 of RCRA, 42 U.S.C. § 6928, provides EPA with the authority to apply administrative, civil, and criminal sanctions for violations of RCRA.

You are entitled to assert a claim of business confidentiality covering any part of the submitted information, in the manner described in 40 C.F.R. § 2.203(b). Information subject to a claim of business confidentiality will be made available to the public only in accordance with 40 C.F.R. Part 2, Subpart B. Unless a business confidentiality claim is asserted at the time the requested information is submitted, EPA may make this information available to the public without further notice to you.

This collection of information request is not subject to review by the Office of Management and Budget pursuant to the Paperwork Reduction Act, 44 U.S.C. §§ 3501-3520.

Please send the requested information to:

U.S. Environmental Protection Agency Region III 841 Chestnut Building Philadelphia, PA 19107 Attn: John Nevius (3HW15)

If you have any questions concerning this matter, please contact Mr. John Nevius at (215) 597-2381.

Sinœrely,

Bruce P. Smith, Chief

Hazardous Waste Enforcement Branch

Jugg Crystall, for

cc: Paul Jones, Delaware Department of Natural Resources & Environmental Control



#### February 16, 1988

Ms. Tracy Self
U. S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Ms. Self:

Per EPA's recent request regarding the status of Amtrak's Wilmington Maintenance Facility on handling hazardous waste, the following information is provided.

- Amtrak only generates and stores hazardous waste at its facilities and disposes of them by scavengers within 90 days from the day they were placed in storage. Once the solvents and/or cleaners are used, they will be placed in 55-gallon drums for storage prior to disposal.
- 2. During the past 12 months, we had disposed of fifty(50) drums of trichloroethylene and eight(8) drums of ignitable waste from the Locomotive Shop and the Battery House of the Wilmington facility, respectively. On the average, this facility generates approximately five(5) drums of hazardous waste per month.
- 3. Copies of sampling analysis of waste sludge and liquids at the facility are attached as follows:
  - Attachment #1 composite analysis of paint thinner, varnish, lubricant, detergent and oil in drums
  - Attachment #2 composite analysis of oil in two(2) waste oil storage tanks (LS-2 and LS-10)
  - Attachment #3 Grab analysis of sludge, oil and water in the industrial waste water treatment system
  - Attachment #4 composite analysis of effluent in the waste water treatment system.
  - Attachment #5 composite analysis of stormwater discharged from the facility into the Shellpot Creek and the Brandywine Creek Tributary.

Ms. Tracy Self Page 2

Should you require any additional information or details of the data furnished, please call Mr. Charles Lin at (202) 383-2599.

Very truly yours,

T. W. Brzozowski

Director

Environmental Control

Attachments

ATTACHMENT #1

```
INDUSTRIAL SOLVENTS
                                                                   10/13/87
80540 - 22063
 * * * * * * * * - PRE/SHIP ANALYSIS - COMPLETED
* * * * * * * * * * * * *
                           ENVIROSYSTEMS
 * * * * * * * * * * * * * * * WASTE FOR RECYCLING
                          SK-SAMPLE-NO.---> 14271 SK-CUST-NO--->
  LAB NUMBER----> 015677
  CUST NAME-----> AMTRAK
ADDRESS----> FOOT OF VANDEVER AVE
  CITY/STATE/ZIP--> WILMINGTON
                                    DE 19801
                                                                   09/11/87
                                                  DATE RECEIVED
  CUST PHONE ---->
                                                                   10/05/87
                                                  DATE ANALYZED
  CUST CONTACT ----> FULTON WILLIAMS
  USEPA ID NO---->
  STATE EPA NO--->
  GREEN SHEET ?--->
  NATURE OF BUSI -->
  OPER GENERATING->
  WASTE NAME ----> WASTE PAINT THINNER
  SAMPLE SIZE---->
  GALLONS/PER----> 250 / QUARTER
  DRUMS SAMPLED--->
  GALLONS ON HAND->
  STREAM-----> DRUM
  HAZARDDUS ?----> YES -
  SUBMITTED BY----> JIM J RYAN
                                        0006 ON 09/11/87 1122
  ----- SAMPLE DATA (Lumpselte Autlysis)
  *GENERAL COMPOSITION:
                                    * TESTS:
                                      * API & SPG @ 60F---> 0.0 .844
    FREE WATER--->
                       .0
    BOTTOM-SED--->
                                      * FLASH POINT----> 070
                       . 0
    FEEDSTOCK---->
                   100.0
                                      * VISCOSITY-----> 5CP
                                      * STILL BOTTOMS @ 60 ->
  *FEEDSTOCK COMPOSITION: %
    BOTTOMS-OIL--->
                       .0
                                      * ACID ACCEPTANCE---> .000
                                      * ODOR OF DISTILLATE-->
    BOTTOM-NO-OIL->
                     12.0
                                      * PH - FEEDSTOCK----> 6.0
                    3.0
85.0
    WATER EMUL --->
    SOLVENT PHASE->
                                      * PH - DISTILLATE----> O.O
  *SOLVENT PHASE COMP:
                                    * R/C FACILITY = SK NEWCAST
    MECL2---->
                       . 1
                                    * LAB ACCEPT-
    FREON---->
                                    * CHEMICAL FUEL/FLPT <70/BLACK LIQUID
                       .0
    1, 1, 1---->
TRI---->
INHIBITORS--->
                       .0
                                    * CHEMIST = MS 10/05/87
                                                              S/C = 30
                       .0
                       . 0
    TOLUENE ---->
                     44.3
                                    ***** SPECIAL PROCESSING INSTRUCTIONS **
    PERC---->
    XYLENE---->
                      4.8
                                     OK FOR FUEL. JWH 10-8
    M.S.---->
                     17.3
    H H C---->
                     .0
                                      * DATE REVIEWED 10/09/87
    ALCOHOLS---->
                                      * REVIEWED BY LWG
                       . 9
    KETONES---->
                     25.4
                                      * PROCESS CODE
                      .0
                                       * ANALYSIS TYPE X
    LAHC---->
                       .0
    OTHER---->
    OTHER---->
                       .0
         FUELS DATA:
                  ASH 0.06/CHLDRINE 2.57/BTU'S 17610
   OTHER COMPONENTS:
                  PCB'S <50 PPM
       SOLVENT DATA:
                  MEOH .4/ETOH .5/ACETONE 14.9/MEK 1.4/1-BUTANOL .3/MIBK
                   9.1/N-METHPYRROL .2/1-PENTANOL .6/BUTYL ACETATE 1.1/C6-
                   C8 ALIPHATICS 4.9
```



June 24, 1987

Operations & Maintenance Dept.

Maintenance - East Wilmington, DE 19801

ATTENTION: P. W. Humphreys

RE: Certificate of Analysis - Test Report RES 861 ( of VARMISH )

The lab at RES (NJ) Inc. received a sample for metals analysis. The sample was identified as Waste Varnish.

The results of the analysis are as follows:

<u>Parameter</u>	Result
Arsenic	< 1.5
Beryllium	< 0.3
Cadmium	< 0.3
Chromium	0.7
Copper	6.0
Lead	1.5
Mercury	< 3.0
Molybdenum	< 0.5
Nickel	1.8
Zinc	6.0

All results are expressed as mg/kg unless otherwise stated.

If you have any questions concerning this analysis, please do not hesitate to contact us.

Michael R. Gregor

Project Chemist

MRG/hmj

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

ANALYTICAL REPORT NO.: C44.21651.7

DATE:

SAMPLE NOS: RECEIVED:

SAMPLED BY:

28/04/87 C44-168-111

Ø6/17/87 CUSTOMER

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE: TIME:

111 = CRATER COMPOUND LUBRICANT 06/17 NOT GIVEN

CVI TEST ANALYSIS: ( Lompo	S.TE ANALYSIS UNITS:) BRICANT	BY:	DATE:	RESULTS
ARSENIC	mg/l	JR	07/06	< Ø.Ø5
SELENIUM	mg/l	JR	Ø7/Ø6	< Ø.Ø5
MERCURY	mg/1	JR	Ø7/Ø6	< 0.005
BARIUM	mg/l	JR	07/06	< 0.2
CADMIUM	mg/l	JR	07/06	< 0.01
CHROMIUM	mg/l	JR	07/06	< Ø.Ø5
SILVER	mg/l	JR	07/06	< Ø.Ø2
LEAD	mg/l	JR	07/06	< Ø.1
IGNITABILITY	degrees C	NR	218/214	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	07/02	< Ø.5
Sulfide	mg/l	JR	07/02	< 0.05
CORROSIVITY	ph units	JR	06/19	5.4
ASH CONTENT	mg/kg	JM	07/14	18.8

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

OOPERATIVE ENTURES

(302) 731-1550 (215) 258-2911

ANALYTICAL REPORT NO. C44.00950.7

1/9/87 DATE

AUTHORIZATION LAP-0177

LOG DATES 364 (108)

TO:

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801

> Composite ANALYSIS OF ALKALINE: REPORT OF ANALYSIS ( CLEANING DETERBENT MADE BY PROCESS )

SAMPLE IDENTIFICATION

PROCECO SLUDGE

SAMPLE DATE

12/19/86

SAMPLE TIME

Not Given

COMPLETED ANALYSIS UNITS BYDATE RESULTS PCB IN SLUDGE 1/9 PPM DR <1

David W. Reber, Technical Director

# Petrocon

An environmentally conscious company recovering a reusable resource; through putroleum conservation

Corporate address Post Office Box 547 Varioy Forgs PA 19481 (215) bob 6868 Helmery and Terminal Union Street Modena PA 10358 (215) 383-5262

Terminal 17(8) Loretta Avenue Feasterville PA 39047 (215) 357+1839 Terminal 314 Fourth St. Bidg #6 Pittsburgh PA 15236 (412) 823-6040

<1000ppm

>140°F.

<2%

PETROCON L	ABURATURY REPORT ( Comp.	SITE ANALYSIS OF	*
	PE/RU	con's Tork Truck	Loonen
Production Date:	Consignee With v	IASTE OIL FROM DRUM	s )
Analysis Date: 1/5/87	Shipped By		
Shipment Date:	Product		
			-14 
<u>Constituent</u> <u>Leve</u>	l Tested	<u>Limit</u>	
a Arsenic	2.0 ppm	<5ppm	
b Cadnium	Ø	<2ppm	
c Chromium	0,3 ppm	<10ppm	
d Lead	(5 ppm -	<100ppm	
e PCB	5 ppm	<10ppm	

115.0

<1%

>200°F.

Notes:

TX

BS&W

Flash Point

### Petrocon

An environmentally conscious company recovering a reusable resource; through putroleim conservation

Corporate address Post Office Box 547 Valloy Forgo PA 19481 (215) bob 6868

Hehnery and Terminal Union Street Moderni PA 19358 (215) 383-5262

Terminal 1700 Lorella Avenue Fedalerville PA 19047 (215) 357-1839 Terminal 314 Fourth St. Bidy #6 Pittsburgh PA 15236 (412) 823-5040

	PETROCON LAB	UKATURY REPURT COM	TRUCK LOADED WIT
Production Date:		Consignee From	
Analysis Date:	12/31/86	Shipped By	
Shipment Date:	-	Product	
Constituent	Level	Tested	Limit
a Arsenic b Cadnium c Chromium d Lead e PCB f TX g BS&W h Flash Point	36	0 ppm 2 ppm .2 ppm .5 ppm 5-555.6 ppm 0°F.	<5ppm <2ppm <10ppm <100ppm <1000ppm <1000ppm <2% >140°F.
Notes:		· · ·	/140 F.

2 samples: 40755 \$ 40753

## Petrocon

An environmentally conscious company recovering a reusable resource; through petroleum conservation

Corporate address Post Office Box 547 Valley Forge PA 19481 (215) bibs-0866

Helmary and Terminal Union Street Modern PA 19358 (215) 383-5262

Terminal 1700 Corella Avenue Feasterville PA 19047 (215) 357-1839 Fernical 314 Fourth St. Bldg #6 Pittsburgh PA 15236 (412) 823 5040

	PETROCON	LABORATORY REPORT (Con	posiTE	malys	15 2	PETRI	7 www
		Track	x TRUCK	LUANES	WITH	WAITE	oil
Production Date:		Consignee From	n DRUN	75)			1. 3.
Analysis Date:	12/30/86			 			
Shipment Date:		Product					
Constituent	Lev	vel Tested		Limi	<u>t</u>		

- a Arsenic
- b Cadnium
- c Chromium
- d Lead
- e PCB
- f TX
- g BS&W
- h Flash Point

2-0 ppm 0,2 ppm 25 ppm 45 ppm 73.7 ppm <1% >200°F. <5ppm <2ppm <10ppm <100ppm <10ppm <1000ppm <2%

>140°F.

Notes:

ATTACHMENT #2

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801

Analytical Report # Date

C44.23854.7 Ø8/26/87

CVI Log # C44-233-104-105 Received Sampled By

08/21/87 Customer

RE	PO	RT	OF	ANALYS	IS

CVI	TEST		COMPLET	ED
	ANALYSIS	UNITS	TECH	DATE

PCB IN OIL PPM DR 8/25

CVI			SAMP	LE	
LOG :	##	SAMPLE I.D.	DATE	TIME	RESULTS
104	==	Scrap Tank # 1	NG	NG	5,920
105	==	Scrap Tank # 2	NG	NG	iØ,12Ø

David W. Reber, Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

ANALYTICAL REPORT No.: C44.24651.7 DATE

SAMPLE NOS:

SAMPLED BY:

RECEIVED:

29/03/87

C44-223-164 28/11/87

CUSTOMER

302 - 731-1550

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

#### REPORT OF ANALYSIS

SAMPLE ID CVI LOG: IDENTIFICATION: DATE: TIME: 104 = LS-10 SCRAP OIL TANK Ø8/Ø7 NOT GIVEN CVI TEST ANALYSIS: 3Y: DATE: RESULTS UNITS: 9/02 < 0.05 ARSENIC mg/1JR 9/02 < 0.05 JR SELENIUM mg/lMERCURY JR 8/24 < 0.0005 mg/1 < 0.2 BARIUM mg/18/30 JR CADMIUM mg/1JR 8/25 0.04 CHROMIUM JR 8/26 0.3 mg/1< 0.02 SILVER mg/1JR 3/24 LEAD mg/l 8/24 0.9 JR IGNITABILITY degrees C 8/31 62.2 NR REACTIVITY < 0.08 Cyanide mg/1DН 8/20 < 0.5 Sulfide mg/1JR 8/26 JR CORROSIVITY 8/12 ph units 8.53 % 5.6% ASH CONTENT (WILL FOLLOW UNDER SEPARATE COVER) PERCENT WATER 7/4 DR 8/18 46.9 PCB/OIL 8/12 DR mg/l

REACTIVITY - NOT REACTIVE IGNITABILITY - NOT IGNITABLE CORROSIVITY - NOT CORROSIVE

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

ANALYTICAL REPORT NO.: C44.21751.7

DATE:

SAMPLE NOS: RECEIVED: SAMPLED BY:

Ø8/Ø5/87

C44-212-105 07/31/87 CUSTOMER

DAVID W. REBER, TECHNICAL

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE: TIME:

105 = LS # 2 - SCRAP OIL

7/29 NOT GIVEN

CVI TEST ANALYSIS:	UNITS:	BY:	DATE:	RESULTS
ARSENIC	mg/l	JR	8/05	< 0.05
SELENIUM	mg/l	JR	8/Ø5	< <b>0.0</b> 5
MERCURY	mg/l	JR	8/05	< Ø.Ø5
BARIUM	mg/l	JR	8/05	< 0.2
CADMIUM	mg/1	JR	8/Ø5	< Ø.2
CHROMIUM	mg/l	JR	8/05	0.8
SILVER	mg/l	JR	8/Ø5	< Ø.2
LEAD	mg/l	JR	8/05	3.9
IGNITABILITY	degrees C	NR	8/03	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	8/03	Ø. 1
Sulfide	mg/l	JR	8/03	Ø.1
CORROSIVITY	ph units	JR	8/03	6.67 -
ASH CONTENT	%	MU	8/Ø5	26
PERCENT WATER	%	DR	8/03	39_6
PCB/OIL	mg/l	DR	8/03	(29 <del>4</del> )

SAMPLE ANALYZED AS PER ER TOXICITY PROCEDURE OUTLINED IN FRA'S SW84A

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

#### FINAL

ANALYTICAL REPORT NO.: C44.14255.7

DATE:

Ø6/Ø3/87

SAMPLE NOS:

C44-132-113

RECEIVED: SAMPLED BY: 05/12/87 CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE:

TIME:

113 = TANK LS-2

Ø5/11 NOT GIVEN

CVI TEST				
ANALYSIS:	UNITS:	BY:	DATE:	RESULTS
 ***************************************				THE NAME NAME WHEN THE PARTY SHOP SHAPE SH
ARSENIC	mg/l	DE	05/27	< 0.05
SELENIUM	mg/l	DE	05/27	< 0.05
MERCURY	mg/l	DE	05/27	< 0.005
BARIUM	mg/l	KG	05/14	0.9
CADMIUM	mg/l	KG	05/14	< 0.05
CHROMIUM	mg/l	KG	Ø5/15	< 0.05
SILVER	mg/l	DE	05/14	< Ø.5
LEAD	mg/l	KG	Ø5/15	(7.5)
IGNITABILITY	degrees C	JR	Ø5/28	NOT IGNITABLE
REACTIVITY				NOT REACTIVE
Cyanide	mg/l	DH	Ø5/27	2.3
Sulfide	mg/l	JR	Ø5/27	< ∅.5
CORROSIVITY	ph units	JR	Ø5/28	6.46
% OF WATER	7.	SM	06/02	40.3
ASH CONTENT	mg/kg	JM	Ø6/Ø3	5760

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

. COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

PARTIAL 

Analytical Report # C44.14255.7

5/22/87 Date

CVI Log # C44-132-113

Received 5/12/87

Sampled By Customer

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801

#### REPORT OF ANALYSIS

SAMPLE	IDENTIFICATION					
9	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME			
		er gallet broom nadore variou dalous derem martin stiere blanc berein desag jober 14000 Artini broom ha				
	TANK IS-2	5/11/87	NOT GIVEN			

CVI TEST ANALY	SIS	UNITS	COMPLETE TECH		RESULT
PCB I	N OIL	PPM PH UNITS	DR MW	5/21 5/12	130 7.05

NOTE: RCRA Parameters, Percent Water, and Ash Content to follow under separate cover.

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. .PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

ANALYTICAL REPORT NO.: C44.13252.7

DATE:

Ø5/12/87

SAMPLE NOS:

C44-113-106

RECEIVED: SAMPLED BY: 04/23/87 CUSTOMER

#### REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

\_\_\_\_\_\_\_

DATE: TIME:

106 = SCRAP OIL

#10 CIGAR TANK

Ø4/2Ø NOT GIVEN

1									
<u> </u>	CVI TEST ANALYSIS:	UNITS:		BY:	D,	ATE:	RE	ESULTS	
	ARSENIC	mg/l		DE	œ:	5/11	<	Ø. Ø5	
	SELENIUM	mg/l		DE	Ø	5/11	<	0.05	
	MERCURY	mg/l		DE	Ø	5/11	<	0.05	
	BARIUM	mg/l		KG	Ø	5/08	<	Ø.2	
	CADMIUM	mg/l		KG	Ø:	5/0/8		0.04	
	CHROMIUM	mg/l		KG	Ø	5/0/8		3.1	
	SILVER	mg/l		KG	Ø:	5/08	<	Ø.5	
	LEAD	mg/l		КG	Ø:	5/08		3.38	
	IGNITABILITY	degrees C		JR	Ø:	5/12	IGN:	ITABLE *	
	REACTIVITY						NOT F	REACTIVE	
	Cyanide	mg/l		DH	Ø:	5/05	<	Ø.5	
	Sulfide	mg/l		JR	Ø:	5/05	<	0.05	
	CORROSIVITY	ph units		JR	Ø	5/05		12.4	
	% OF WATER	RESULTS	TO	FOLLOW	UNDER	SEPARATE	COVER.	•	
	ASH CONTENT	RESULTS	TO	FOLLOW	UNDER	SEPARATE	COVER.		

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

IGNITABLE BELOW 70 DEGREES C

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 *Ψ*ማ2) 731-1550

ANALYTICAL REPORT NO.: C44.13252.7

DATE:

05/12/87

SAMPLE NOS:

C44-113-106

RECEIVED:

04/23/87

SAMPLED BY:

CUSTOMER

#### REPORT TO:

. \* \*

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID DATE: TIME: CVI LOG: IDENTIFICATION:

106 = SCRAP OIL

Ø4/2Ø NOT GIVEN

#10	CIGAR TANK				
( <u> </u>					
CVI TEST ANALYSIS:	UNITS:	EY:	DATE:	RESULTS	lityya salam lalama
ARSENIC	mg/l	DE	Ø5/11	< 0.05	
SELENIUM	mg/l	DE	Ø5/11	< 0.05	
MERCURY	mg/l	DE	05/11	< 0.05	
BARIUM	mg/l	KG	Ø5/Ø8	< 0.2	
CADMIUM	mg/l	KG	05/08	0.04	
CHROMIUM	mg/l	KG	Ø5/Ø8	3.1	
SILVER	mg/l	KG	Ø5/Ø8	< Ø.5	
LEAD	mg/l	KG	05/08	3.38	
IGNITABILITY	degrees C	JR	Ø5/12	IGNITABLE *	
REACTIVITY				NOT REACTIVE	
Cyanide	mg/l	DH	05/05	< 0.5	
Sulfide	mg/l	JR	05/05	< 0.05	
CORROSIVITY	ph units	JR	Ø5/Ø5	12.4	
% OF WATER	₹,	SM	Ø5/14	96.2	
ASH CONTENT	mg/kg	JM	Ø5/13	12,461	
MOD CONTENT	ma / ka	บท	かつしてつ	12,401	

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

IGNITABLE BELOW 70 DEGREES C

ATTACHMENT #3

COOPERATIVE VENTURES, INC. PO BOX 796 EASTON, PA 18044-0796 TELE: 215 258-2911 ) 302 731-1550

ANALYTICAL REPORT NO.: C44.30317 DATE: 10/30/86

SAMPLE NOS: RECEIVED: SAMPLED BY:

C44-297-102 10/24/86 CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

Daywood TECHNICAL BLEE

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: / IDENTIFICATION:

DATE: TIME:

102 = SLUDGE FROM WATER
TREATMENT PLANT

10/22 1310

CVI TEST ANALYSIS:	UNITS: BY: DATE			RESULTS
ARSENIC SELENIUM MERCURY BARIUM CADMIUM CHROMIUM SILVER LEAD	mg/l mg/l mg/l mg/l mg/l	JTB JTB JTB JTB JTB JTB	10/30 10/30 10/30 10/29 10/29 10/29 10/29 10/29	< 0.003 < 0.003 < 0.0005 0.2 0.03, 0.07 < 0.02 0.1
IGNITABILITY REACTIVITY	degrees C	DE	10/29	NOT IGNITABLE BELOW 70 degrees C
CYANIDE SULFIDE	mg/kg mg/kg	DH DH	10/29 10/29	1.62 11.5

SAMPLE ANALYZED AS PER EP TOXICITY PROCEDURE OUTLINED IN EPA'S SW846.

COOPERATIVE VENTURES, INC. PO BOX 796 EASTON, PA 18044-0796 TELE: 215 258-2911

#### VOLATILE ORGANIC SCAN AMTRAK ANALYTICAL REPORT NO. C44.30317 OCTOBER 30, 1986

	FOR: FULTON WILLIAMS	C44-297-102 SLUDGE FROM WATER	TRMT	PLANT	
	TECH/DATE: JJ / 10-30-86	(UG/L)			<del>-</del>
)	TECH/DATE: JJ / 10-30-86  CHLOROMETHANE VINYL CHLORIDE BROMOMETHANE CHLOROETHANE METHYLENE CHLORIDE 1,1-DICHLOROETHYLENE 1,1-DICHLOROETHANE TRANS-1,2-DICHLOROETHYLENE CHLOROFORM 1,2-DICHLOROETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE BROMODICHLOROMETHANE 1,2-DICHLOROPROPANE TRANS-1,3-DICHLOROPROPENE TRICHLOROETHYLENE BENZENE CIS-1,3-DICHLOROETHANE CHLORODIBROMOMETHANE 2-CHLOROETHYL VINYL ETHER BROMOFORM TETRACHLOROETHYLENE 1,1,2,2-TETRACHLOROETHANE TOLUENE CHLOROBENZENE ETHYLBENZENE	, ,			=
	SAMPLE DATE/TIME: 1	.0-22 / 1310			

DAVID W. REBER TECHNICAL DIRECTOR

PO BOX 796

EASTON, PA 18044-0796 TELE: 215 258-2911

DE: 302 731-1550

ANALYTICAL REPORT NO.: C44.29012

DATE:

10/17/86

C44-287-109

SAMPLE NOS:

RECEIVED:

SAMPLED BY:

10/14/86 CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

CVI TEST

ANALYSIS: UNITS:

COMPLETED

BY: DATE:

PCB IN SLUDGE mg/kg

JJ 10/16

SAMPLE	ΙD			SAMPL	Ε		RESULTS	
CVI L	0G:	IDENTIFICAT	ION:	DATE:	TIME	:	PCB	
109	= S	LUDGE HOLDIN	IG TANK	9/30	NOT	GIVEN	2.0	

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

Analytical Report # C44.14254.7

Date 5/22/87

CVI Log # C44-132-110-112

Received 5/12/87 Sampled By Customer

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801

#### REPORT OF ANALYSIS

SAMI	PLE IDENTIF	ICATION			=======================================	E II III III III III III	: # # # # # # # # # # # # # # # # # # #		
CVI	LOG #	SAMPLE I.D.	9AP	1PLE DATE	S:	AMPLE T	IME		
110	7)	DAF EQUAL POND	E	5/08/87		NOT GI	VEN		
1.1	<del></del>	DAF GRIT CHAMBER		5/Ø8/87			NOT GIVEN		
111	_	DAF SLUDGE TANK				NOT GIVEN			
CVI	TEST		COMPL	ETED	· Min nov men qua mun v		· · · · · · · · · · · · · · · · · · ·		
	ANALYSIS	UNITS	TECH	DATE	110	111	112		
	PCB	PPM	DR	5/20	< 2	$\binom{2}{2}$	4		

David W. Reber, Tech. Dir.

#### **CERTIFICATE OF ANALYSIS**

LABORATORY NO: 1695-87

RECEIVED:

4-27-87

CLIENT: AMTRAK

REPORTED:

5-7-87

SAMPLE DATE: NA

SAMPLED BY:

Sample Description: Oil #4124187 D.A.F. Oil

Parameter

Units

Sample Concentration

Polychlorinated Biphenyls

mg/kg<sup>a</sup>

50.4 as 1254 PCB

<sup>a</sup>wet weight

Approved By

Kyle F. Gross, Laboratory Supervisor Environmental Chemistry Laboratory

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

> Analytical Report # C44.11757.7

> > Date

4/27/87

CVI Log #

C44-113-111

Received

4/23/87

Sampled By Customer

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801

		REPORT OF AN	ALYSIS	
====	=======================================	# m <b>m #</b> # m m n m <b>m</b> = = n	:	
CVI	TEST		COMPLETE	D
	ANALYSIS	UNITS	TECH	DATE
		***************************************		
	PCB IN OIL	PPM	DR	4/24

		IDENTIF	FICATIO	ON	DATE	TIME	RESULT
•	DAO TAN	NK (DAF	SCRAP	OIL)	 4/23	7:15 A.M.	64

David W. Reber, Tech. Dir.



P.O. BOX 796 EASTON, PA 18044-0796 ANALYTICAL REPORT NO.: C44.09312

04/03/87

C44-070-106, 107,110

03/11/87 CUSTOMER

RECEIVED: SAMPLED BY:

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

DAVID W. REBER, TECHNICAL DIRECTOR

CVI TEST ANALYSIS:	UNITS:	COMPLETED BY: DATE:	
PCB IN WATER	ppm	DR 3/18	
PCB IN OIL	ppm	DR 3/18	
SULFUR	weight %	ATL 3/17	

DATE:

SAMPLE NOS:

SAMPLE II	IDENTIFICATION:	<del>-</del>	1PLE TIME:	PCB WATER	RESULTS PCB OIL	SULFUR
106 = 107 = 110 =	MIDEL #4 FUEL OIL DAF SCRAP OIL	3/05 3/02 3/05	NOT GIVEN NOT GIVEN NOT GIVEN	. <b>274</b>	79	0.54

PAGE 2

#### **COOPERATIVE VENTURES, INC.**

P.O. BOX 796 EASTON, PA 18044-0796

ANALYTICAL REPORT NO.: C44.09312 DATE: SAMPLE NOS: RECEIVED:

SAMPLED BY:

04/03/87 C44-070-110 03/11/87 CUSTOMER

REPORT TO:

MR. FULTON WILLIAMS AMTRAK MATERIAL CONTROL FOOT OF VANDEVER AVENUE WILMINGTON, DE 19801

\_O J. Pelu a

DAVID W. REBER, TECHNICAL DIRECTOR

SAMPLE ID

CVI LOG: IDENTIFICATION:

DATE: TIME:

110 = DAF SCRAP OIL

03/05 NOT GIVÉN

CVI TEST ANALYSIS:	UNITS: E	3Y:	DATE:	RESULTS 110
ARSENIC SELENIUM MERCURY BARIUM CADMIUM CHROMIUM SILVER LEAD IGNITABILITY REACTIVITY CYANIDE SULFIDE ASH CORROSIVITY	mg/! mg/! mg/! mg/! mg/! mg/! mg/! degrees C mg/kg weiunits	MY MY EDE EDE EDE BDE RU HD MU NU NU	04/01 04/01 03/31 03/23 03/26 03/24 03/23 03/25 03/31 03/27 04/03 03/31	<pre></pre>

COOPERATIVE

NC.

TO:

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801 (302) 731-1550 (215) 258-2911

ANALYTICAL REPORT NO. C44.02350.7

DATE 1/23/87

AUTHORIZATION LAQ-0006

LOG DATES 016 (104)

SAMPLED BY: Customer

#### REPORT OF ANALYSIS

SAMPLE IDENTIFICATION  D.A.F. Sewer System		SAMPLE DATE 1/14/87	SAMPLE TIME Not Given	
ANALYSIS  PCB IN WATER	<u>UNITS</u>	COMPLETED BY TECH  DR 1/22	RESULTS <2	

David W. Reber, Technical Director

ATTACHMENT #4

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT 0 044.22450.7

DATE 01/24/07

TOATE SAMPLED 12/12/2 - 12/11

DATE RECEIVED 12/11/27

CAMPLED 27 071/38

My. Fulton Williams
Amtrak Material Control
Foot of Vandever Avenue
Wilmington, DE 1980:

#### PEFORT OF ANALYSIS

SAMPLE I.D.: MANHOLE/BI-YEARLY SAMPLE TYPE: COMPOSITE (24 HOUR)

TYPE OF ANALYSIS: PC3 IN WATER

ANALYSIS COMPLETED:

 DATE
 12/30

 TIME
 13/20

 TECH
 GH

SAMPLE RESULT: < 10 ppb METHOD USED: EPA 609

Joseph P Merical D

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

Mr. Fulton Williams Amtrak Material Control Foot of Vandever Avenue Wilmington, DE 19801 ANALYTICAL REPORT # C44.18150.7
DATE 06/30/87
DATE SAMPLED 6/09 - 6/10
DATE RECEIVED 06/10/87
SAMPLED BY CVI/JB

REPORT OF ANALYSIS

SAMPLE I.D.: MANHOLE/BI-YEARLY SAMPLE TYPE: COMPOSITE (24 HOUR)

TYPE OF ANALYSIS: PCB IN WATER

ANALYSIS COMPLETED:

DATE 6/29 TIME 1430 TECH DR

SAMPLE RESULT: < 10 ppb METHOD USED: EPA 608

David W. Reber, Tech. Dir.



December 14. 1997

#### **COOPERATIVE VENTURES, INC.**

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

#### 302 - 731-1550

Mr. Christopher A. Strenleit. Annalm Safety/Environmental Control National Railroad Passenger Corp. Milmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19901

#### MARTHA - BETON GIETT

SAMPLE # 046-321-104-105 1./16/87 - 11/17/87 - Stant: 0730

Outfall 202A - Opening of A2" drainage plue into Shellbot Greek.
Compositor was suspended inside grated area surrounding plue opening. Sample tube was placed 4" below water surrace at plue opening at low tide. 24 consecutive samples taken every hour for 14 hours. Shab samples taken at manhole along orallage pipeline.
Weather Concition: Sunny and clear.

SAMPLE \* C46-322-104-105 11/17/87 - 11/18/87 - Start: 2800

Outfall 221 - Outfall into tributary of Delaware River. Sampling Tube placed 6" below water surface. Compositor was placed 3 1/2 ft.from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grao samples taken at pipe opening. Flow: Approximately 15 gallons per minute. Weather Condition: Cloudy.

Limmy Ballasengham.

WILMINGTON MAINTENANCE FACILITY Expires 2-29-84 END OF PHASE I 002A DE 0050962 400 NORTH CAPITAL ST. N.W. PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD WWIP EAGILITY. YEAR MO DAY YEAR MO DAY LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE DESIGNATOR A TO 87 30  $\cap$ NOTE: Read Instructions before completing this form. (20-21) (22-23) (24-25) (26 27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION FREQUENCY (38-45) (46-53) (54-61) (46-53) (34-61)PARAMETER OF ANALYSIS EX TYPE (32-37) MINIMUM AVERAGE MAXIMUM UNITS AVERAGE MUMIXAM UNITS (64-68)(69-70 (62-63) L 5 OIL & GREASE \* 01/30 MEASUREMENT \* mg/L PERMIT 00556 10 15 0 01/30 Mon Loc 1 REQUIREMENT 5.79 81 SAMPLE \* 01/30 pН MEASUREMENT S.U. \* PERMIT REQUIREMENT 01/30 GRAE 9.0 \* 6.0 \*--00400 Mon Loc 1 SAMPLE "RAJ \* \* ·· ★ . 130 POLYCHLORINATED MEASUREMENT ug/L BIPHENYLS (PCB'S) PERMIT COMP 01/30 0 \*. 39516 Mon Loc 1 REQUIREMENT 2 SAMPLE \* 30 GRA SURFACTANTS (MBAS) MEASUREMENT mg/L GRAB PERMIT 01/30 0 \* \* 38260 Mon Loc 1 REQUIREMENT 96 SAMPLE \* \* \* 13dCom TRICHLOROETHYLENE MEASUREMENT \* ug/L PERMIT REQUIREMENT COMP 01/30 \* \* 0 39180 Mon Loc 1 SAMPLE \* 01/30 Comi DIELDRIN MEASUREMENT ug/L COMP PERMIT Ð 01/30 \* \* \* 39380 Mon Loc 1 REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INFORMATION SUBMITTED HEREIN AND BASED OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. \$ 1001 AND gouph P. merle NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE DATE CA Strenlein, mar JOSEDH P MESLOTERL Safety/Environmenta 87 12 3021731-1551 SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) AREA OFFICER OR AUTHORIZED AGENT NUMBER YEAR TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(2-16)

(17-19)

V. 10-79) PREVIOUS EDITION TO BE USED

(REPLACES EPA FOR

AO WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Inclined Facility Name/Location if different)  NAME NATIONAL RAILROA  ADDRESS WILMINGTON MAINT  400 NORTH CAPITA	D PASSENGER ENANCE FACI L ST. N.W.	CORP. (AMIR	AK) DE	RANT DISC RGE MON (2-16) 0050962 IT NUMBER		N BYSTEM (NPDES) RT (DMR) (17-19) 001 MARGE HUMBER	)	•		Form App OMB No. : Expir <b>es</b> 2-:	2040-000
WASHINGTON. D.C. FACILITY WATP LOCATION VANDEYER AVENUE.		DELAWARE_	FROM (20-21)	MO E		MO DAY	OTE: Read instruc			SNATOR_/	_
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADIN (54-61)	ig.	(4 Card Only) (38-45)	QUALITY OR CONG	CENTRATION (54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	45	45		0	01/30	GRAR
Mon Loc_1 00556	PERMIT REQUIREMENT	*		_		10	15	mg/L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*	6.98	*	7.06	S.U.	0	01/30	GRAP
Mon Loc_1 00400	PERMIT REQUIREMENT				6.0		9.0	3.0.	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	41	a/I	0	01/30	GRAB
Mon Loc 1 39516	PERMIT REQUIREMENT		•	\	* * *	• /	•	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	40	ma/l	0	01/30	GRAB
Mon Loc 1 38260	PERMIT REQUIREMENT	•	**************************************		*	*	•	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	**	*		ug/L	0	01130	Comp
Mon Loc_1 39180	PERMIT REQUIREMENT	•	*		*	*		ug/L	0	01/30	COMP.
1	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					•					
	SAMPLE MEASUREMENT										
*	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE CA STRENIEND MAC	ON M	M FAMILIUR WITH THE	OF LAW THAT I HAVE !! INFORMATION SUBMITTE INDIVIDUALS IMMEDIATE N. I BELIEVE THE SU	D HEREIN: AL	HOLE FOR	uph P Ma		TELEPHONE		DAT	r E
Safety/Environment	IS THE	E. ACCUPATE AND CO VIT PENALTIES FOR S DESIBILITY OF FINE AN	MPLETE I AM AWARE SUBMITTING FALSE RE- IO IMPRISONMENT. SEE for these statutes may in	THAT THERE ORMATION, 1 18 U.S.C 1	NCLUDING DOSED	N P Mex to Te	EXECUTIVE SO		550	87/16	14
TYPED OR PRINTED	and or	maximum imprisonment a	/ brtwern 6 months and 5 y	errs.)	OFFIC	ER OR AUTHORIZE	D AGENT COD		R	YEAR MO	DAY
OMMENT AND EXPLANATION OF AN	VIOLATIONS (A							•		•	•

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 IMVOCCE # C42.34981.7
DATE 11/14/87
LOG DATES 39: - 399
RECEIVED 11/16 - 11/17
COMPLETED 12/14/8T

302 - 731-1550

INVOICE TOR

REPORT TO:

Accounts Payable Section Amtrak P.O. Box 8518 Philadelphia, PA 1918: Mr. Christopher A. Strehlein. Mgr. Wilmington Maint. Facility

7.0. # LA 2 22676 7

TERMS: Net 30

(OUTFALLS 002A & 001 - NPDES) MONTH: November 1987

QTY	DESCRIPTION	UNIT	TOTAL
$\mathcal{L}_{c}$	<del>  </del>	5.00	\$ 20.00
4	OIL & GREASE	10.20	80. <b>2</b> 0
£	SUBFACTANTE	20.00	120.00
6	TRICHLOROETHYLENE	35.00	212.00
6	POB/W4TER	125.00	750.00
3	PIMIPATA	92.20	270.00
Ē	FIELD TECH HOURS	20.00	162100

SUB-TOTAL \$1.612.20
LESS 50X 467.62
TOTAL AMOUNT DUE \$1.121.00

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PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 ANALYTICAL REPORT # 046.34951.7

DATE 11/14/87

DATE SAMPLED 11/17 - 11/18

DATE RECEIVED 11/17

BAMPLED DM CM1/JD

LOG DATE 322

#### 302 - 731-1550

Mr. Christopher A. Strenlein. Manager Safety/Environmental Control National Railroad Passenger Cors. Wilmington Maintenance Facility Foot of Vancever Avenue Wilmington, DE 19801

#### REPORT OF AMALYSIS

COMPOSITE 001	is Can		TRICHLOROETHYLENE	
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE EPIKE AMOUNT % RECOVERY METHOD USED	1132 DR < 1 < 1 12 95	12/03 113Z DR < 1 ppb < 1 ppb 12. 95% EPA 608		
GRA <b>B ØØ1</b>	OIL & GREASE	PH	SURFACTANTS (MBAS)	
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED	11/18 1330 GG < 5 < 5 N/A N/A EPA 413.1	11/18 1300 J3 6.98 7.06 N/A N/A EPA 150.1	12/14 1402 JM 0.40 0.40 0.40 2.65 93% EPA 425.1	

ANALYTICAL REPORT &

044.34951.7 12/14/97

DATE 127 DATE SAMPLED 117

11/15 - 11/17 11/16

DATE RECEIVED 01/16 SAMPLED DY CVI/JZ LOG DATE 721

# **COOPERATIVE VENTURES, INC.**

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

#### 302 - 731-1550

Wr. Christopher A. Etrehleir, Marager Safety/Environmental Control Mational Raplroad Passenger Corp. Wilmington Maintenance Pacility Foot of Vandever Avenue Wilmington, OE 19821

	REPORT OF ANALYSIS						
COMPOSITE 702A	DIELDRIN	P02	TRICHLORETHYLENE				
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY YETHOD USED	12/ <b>03</b> 1000 DR < 1 ppb < 1 ppb < 5. 72%	12/03 1002 DR ( 1 005 ( 1 005 12. 98% EPA 608	11/25 0930 DR 96 ppb 92 ppb 41. 55% EPA 601				
SR <b>AB 00</b> 2A	OIL & GREAGE	~	SURFACTANTS (MBAS)				
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED	11/18 1030 GG < 5 ppm < 5 ppm N/A N/A N/A EFA 413.1	11/17 1230 JB 5:79 5:84 N/A N/A EPA 15Z:1	11/14 1435 JM Ø.41 0.42 Ø.65 91% EFA 425.1				

RECEIVED NOV 0 9 387

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

November 2, 1987

#### 302 - 731-1550

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### FIELD NOTES - AMTRAK

5AMPLE # C46-293-105-106 10/19/87 - 10/20/87 - Start: 0730

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 4" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-294-104-105 10/20/87 - 10/21/8 Start: 0800

Jimy Galasingham.

MINGTON MAINTENANCE FACILITY PERMIT NUMBER 400 NORTH CAPITAL ST. N.W DISCHARGE NUMBE WASHINGTON. D.C. 2000 MONITORING PERIOD ACILITY WITP YEAR MO DAY YEAR MO DAY DESIGNATOR A FROM LOCATION VANDEVER AVENUE. WILMINGTON. 8 10 01 10 NOTE: Read instructions before completing this form. (22-23) (24-25) (20-21) (28-29) (30-31) (4 Card Only) QUANTITY OR LOADING QUALITY OR CONCENTRATION Card Only) REQUENCY NO. SAMPLE (54-61) (38-45) (54-61) (46-53) (46-53) PARAMETER OF ANALYSIS £X TYPE (32-37)AVERAGE MAXIMUM UNITS MINIMUM AVERAGE UNITE MAXIMUM (62-63) (64-68)(69-70) SAMPLE MEASUREMENT \* OIL & GREASE 01130 GRAP mg/L PERMIT \* \* \* 00556 10 15 0 01/30 GRAB Mon Loc 1 REQUIREMENT SAMPLE рΗ \* 7.39 MEASUREMENT JASK PR S.U. PERMIT \* Mon Loc 1 01/30 GRAB 00400 6.0 9.0 REQUIREMENT POLYCHLORINATED SAMPLE \* < MEASUREMENT Comp O BIPHENYLS (PCB'S) ug/L PERMIT \* 01/30 COMP. Mon Loc 1 39516 0 REQUIREMENT SAMPLE **SURFACTANTS** \* \* MEASUREMENT 0 301 GRAP (MBAS) \* mg/L PERMIT 01/30 38260 \* \* 0 **GRAB** Mon Loc 1 REQUIREMENT SAMPLE TRICHLOROETHYLENE \* \* MEASUREMENT 01/30/CrMP D \* ug/L PERMIT \* 39180 0 01/30 COMP Mon Loc 1 REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE DATE ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR .A. STReHLEIN, MgT. OSTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRIE ACCURATE AND COMPLETE! AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 87 07 33 USC \$1319. (Peralties under their statutes may include fines up to \$10,000 and ir maximum impresentment of between 6 months and 5 years.) NUMBER TYPED OR PRINTED (DATTED OFFICER OR AUTHORIZED AGENT DAY MENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE

DISCHARGE MONITORING REPORT (DMR)

(2-16)

NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

OMB No. 2040-0

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1560

ANALYTICAL REPORT # 046.30651.7 11/02/87 DATE DATE SAMPLED 10/20 - 10/21 19/21 DATE RECEIVED SAMPLED BY CVI/JB LOG DATE 294

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### REPORT OF ANALYSIS

COMPOSITE 001	PCB	PCB				
ANALYSIS: DATE	10/30	200 Tark Wild Street 1-200 Street Street Tark 5000 Street Street	10/29			
TIME	1430		Ø930			
TECH	DF		DR			
SAMPLE RESULT	< 1	F p b	1 ppb			
DUPLICATE	< 1	. dag	1 ppb			
SPIKE AMOUNT	1 C		41.			
% RECOVERY	78	%	99%			
METHOD USED	EPA 6	<b>ଅ</b> ପ୍ତ	SPA 601			
GRAB 001	OIL & GREASE	FH	SURFACTANTS (MBAS			
ANALYSIS: DATE	10/23	10/21	10/28			
TIME	1335	1130	1115			
TECH	1461	MM	JM			
SAMPLE RESULT	< 5	7.39	Ø.183			
DUPLICATE	< 5	7.48	0.182			
SPIKE AMOUNT	NZA	NZA	Ø.406			
% RECOVERY	N/A	N/A	98%			
METHOD USED		EFA 150.1	EPA 42571			

David W. Reber. Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.30651.7 DATE 11/02/97 DATE SAMPLED 10/20 - 10/21 DATE RECEIVED 12/2: SAMPLED BY CVI/JB LOG DATE 294

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue 19901 Wilmington, DE

#### REPORT OF ANALYSIS

COMPOSITE 001	PCB		TRICHLOROETHYLENE		
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED		ppb ppb	10/29 0930 DR 1 ppb 1 ppb 41. 99% EPA 601		
5RA3 001	OIL & GREASE	PH	SURFACTANTS (YBAS)		
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED	12/23 :335 MW < 5 < 5 N/A N/A EPA 413.1	10/21 1130 MW 7.39 7.48 N/A N/A EPA 150.1	1115 JM Ø.183 Ø.182 Ø.406 98%		

David W. Reber, Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.30651.7 DATE 11/02/87 DATE SAMPLED 10/19 - 10/20 DATE RECEIVED 10/20 SAMPLED BY CVI/JB LOG DATE 293

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

;	REPORT OF ANALYSIS							
COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE					
ANALYSIS: DATE	10/30	10/30	10/29					
TIME	1300	1300	1030					
TECH	DR	DR	DR					
SAMPLE RESULT	< 1 ppb	dag 1 >	67 apb					
DUPLICATE	dad i >	< 1 PPb	62 ppb					
SPIKE AMOUNT	<b>ώ.</b>	10.	41.					
% RECOVERY	75%	93%	92%					
METHOD USED	EPA 608	EPA 608	EPA 601					
GRAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)					
ANALYSIS: DATE	10/22	10/20	10/29					
TIME	1600	1230	0550					
TECH	GG	JB	<i>រ</i> ក					
SAMPLE RESULT	< 5 ppm	6.18	0.025					
DUPLICATE	< 5 ppm	6.27	0.026					
	N/A	11/6	Ø.247					
SPIKE AMOUNT								
SPIKE AMOUNT % RECOVERY METHOD USED	N/A	N/A	98%					

David W. Reber, Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

ANALYTICAL REPORT # C46.30651.7

DATE 11/02/87

DATE SAMPLED 10/19 - 10/20

DATE RECEIVED 10/20

SAMPLED 3Y CVI/JB

LOG DATE 293

RECEIVED NOV 9 9 1987/ :

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COMPOSITE ØØ2A	DIELDRIN	PCB	TRICHLORETHYLENS		
AMALYSIS: DATE	12/30	10/30	10/29		
TIME	1300	1300	1232		
TECH	D₹	DR	DR		
SAMPLE RESULT	< 1 ppb	dag 1 >	67 ppb		
DUPLICATE	4 1 <b>5 5</b>	< i ppb	62 675		
SPIKE AMOUNT	6 <u>-</u>	10.	A L		
% RECOVERY	95%	93%	71. 71.		
METHOD USED	= 7.4 = PA 608	EPA 608	527. EPA 601		
THE MICE WITH STREET COST COST COST COST COST COST COST COS		Towns 1 C F Count Was Count			
3RAB 002A	OIL & GREASE	PH	SURFACTANTS (MBAS)		
ANALYSIS: DATE	10/22	12/20	10/27		
anger the second of the second	1600	1230	<b>0930</b>		
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GG	JB	JM		
SAMPLE RESULT	< 5 ppm	6.18	Ø. 225		
DUPLICATE	< 5 ppm	6.27	Ø.026		
SPIKE AMOUNT	NZA	N/A	<b>Z.</b> 247		
% RECOVERY	N/A	N/A	98%		
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1		

David W. Raber, Tach. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

Movember 2, 1987

302 - 731-1550

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### FIELD NOTES - AMTRAK

SAMPLE # C46-293-105-106. 10/19/87 - 10/20/87 - Start: 0730

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 4" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-294-104-105 10/20/87 - 10/21/8 - Start: 0800

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 5" below water surface. Compositor was placed 6' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 15 gallons per minute. Weather Condition: Cloudy.

Jimy Galasingham.
J. Balasingham, Pield Technician

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 October 19, 1987

302 - 731-1550

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### FIELD NOTES - AMTRAK

SAMPLE # C46-266-104-105 9/22/87 - 9/23/87 Start: 0700

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 3" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny and Clear.

**SAMPLE** # C46-267-104-105 9/23/87 - 9/24/87 Start: 0800

Outfall ØDi - Outfall into tributary of Delaware River. Sampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 10/15 gallons per minute. Weather Condition: Sunny and Clear.

J. Palagingham, = Ald Technician

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # 046.29254.7

DATE 10/19/87

DATE SAMPLED 9/22 - 9/23

DATE RECEIVED 9/23

SAMPLED BY CVI/J3

LOG DATE 266

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 1980:

REPORT OF ANALYSIS								
COMPOSITE 002A	DIELDRIN	PCD	TRICHLORETHYLENE					
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED	DR < 1 ppb < 1 ppb 6. 78%	10/14 0900 DR < 1 ppb < 1 ppb 10. 97% EPA 608	10/15 1630 DR 98 ppb 94 ppb 41. 90% EPA 601					
GRAB ØØ2A	OIL & GREASE	PH	SURFACTANTS (MBAS)					
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT % RECOVERY METHOD USED		9/23 1245 MW 6.89 6.96 N/A N/A	10/16 1230 JM 0.03 0.03 0.527 98% EPA 425.1					

David W. Reber, Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.29254.7
DATE 10/19/87
DATE SAMPLED 9/23 - 9/24
DATE RECEIVED 9/24
SAMPLED BY CVI/JB
LOG DATE 267

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### REPORT OF ANALYSIS

COMPOSITE ØØ1			TRICHLOROETHYLENE
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE SPIKE AMOUNT RECOVERY METHOD USED	10/14 1000 DR < 1 ppb < 1 ppb 10. 94% EPA 608		10/15 1530 DR 2.7 PPb 2.3 PPb 41. 94% EPA 601
GRAB 001		PH	SURFACTANTS (MBAS)
ANALYSIS: DATE TIME TECH	10/1 1530 MW < 5 < 5 N/A N/A	9/24 1530 MW 7.59 7.63 N/A N/A EPA 150.1	10/16 1300 JM 0.15 0.14 0.61 98% EPA 425.1

Savil Malex David W. Reber, Tech. Dir.

ADDRESS WILM TON	ILROAD PASSENGER MAINTENANCE FACI APITAL ST. N.W.	CORP. (AMTR	AK) DE	005U2		(17-19) (17-19) (17-19)					oroved 2040-00 29-84
PAGILITY WHTP		DELAWARE	FROM 87	1 0M	OI TO ST	MO DAY 09 30				GNATOR_	
PARAMETER		(3 Card Only) QU (46-33)	(20-21) ANTITY OR LOADIF (54-61)	(22-23) (2- 1G		28-29) (30-31) R QUALITY OR CON (46-53)	OTE: Read instruction (54-61)	ions before	NO.	FREQUENCY OF ANALYSIS	<del></del>
(32-37)		AVERAGE .	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	62-63		(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	rt	*		*	<b>&lt;</b> 5	<5	mg/L	0	01 30	GRA'
Mon Loc 1 0	0556 PERMIT	*,	•		•	10	15	nig/ L	0	01/30	1
рН	SAMPLE Measurement	rk:	*	*	7.59	*	7.59	S.U.	0	01/30	GRA
Mon Loc 1 0	0400 PERMIT				6.0		9.0	3.0.	0	01/30	
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*		*	*	<		0	01/30	Com
•	9516 PERMIT		•	Ţ,	•	* /	*	ug/L	0	01/30	СОМР
SURFACTANTS	SAMPLE Measurement	. *	*		*	*	0.15	mg/L	0	01/30	GRA
(MBAS) Mon Loc <u>l</u> 38	3260 PERMIT	*	. *		*	•	*		0	01/30	12 C
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	* .	2.7		0	01/30	Com
Mon Loc 1 39	PERMIT 0819	•	*		*	*	*	ug/L	0	01/30	COMP
	SAMPLE MEASUREMENT				*·.						
•	PERMIT					•					
	SAMPLE MEASUREMENT	i			/		·				
	PERMIT REQUIREMENT							,			284. Y
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER   CERT	FY UNDER PENALTY C	F LAW THAT I HAVE	PERSONALLY	EXAMPLED A	- 10/11		TELEPHONI		DA	TE

CA. STREHlein, mgr. TYPED OR PRINTED (DNTRD)

AND AM FAMILIAR WITH THE REPORMATION SUBMITTED HEREIN, AND BASED ON MY HOURTY OF THOSE HODVIOLAS IMMEDIATELY RESPONSIBLE FOR OSTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION. THE STATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE REFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. \$ 1001 AND 33 U.S.C. \$1319. /Prusiline under these satisties may include fines up to \$10,800 and or maximum impronounts of between 8 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

NUMBER DAY

Paciety Name / Location II different)  NAME NATIONAL RAILRO  ADDRESS WILL GTON MAIN  400 JRTH CAPITA	AD PASSENGER TENANCE FACT AL ST. N.W.	CORP. (AMTR	DE 00	Q2-16 50 IT NUMBER	TORING REPOR	OZA EN	D OF PHASE I	•	/	Porm App OMB No. nires 2	2040-000
FACILITY WWTP	WYLMINGYON	, DELAWARE	FROM 87 (20-27)	MONIT  MO D  O9 O  (22-23) (24-	AY TO YEAR	MO DAY	OTE: Read Instruc	tions before		IGNATOR	
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CON- (46-53)	CENTRATION (54-62)		NO.	FREQUENC' OF ANALYSIS	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MUMIXAM	UNITS	(62-63)	1	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	<5	<b>&lt;</b> 5	,,	0	01/30	GRAF
Mon Loc 1 00556	PERMIT REQUIREMENT			*	*	10	15	mg/L	0	01/30	
рН	SAMPLE MEASUREMENT	*	*	*	6.89	*	6.89	6.11	0	01/30	GRAF
Mon Loc 1 00400	PERMIT REQUIREMENT			*	6.0	***	9.0	S.U.	Ò	01/30	GRAB
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*.	< \	,,	0	01/30	Comf
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*		*	*	*;	*	ug/L	0	01/30	1
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*		*	*	0.03		0	01/30	GRA
Mon Loc 1 38260	PERMIT REQUIREMENT			*		* * * * * * * * * * * * * * * * * * *	*	mg/L	0	01/30	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	98		0	01/30	Conf
Mon Loc_1 39180	PERMIT SEQUIREMENT				* 2	N. N		ug/L	0	01/30	
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	< \	/1	0	01/30	Conf
Mon Loc 1 39380	PERMIT REQUIREMENT	*				* .		ug/L	0	01/30	
,	SAMPLE MEASUREMENT					,					
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	F LAW THAT I HAVE F	D HEREIN AN	D BASED	119/16		TELEPHONI		DA	TE
C.A. STREHLEIN, MG SAFETY & CNVIRONED TYPED OR PRINTED C	OBTAIN IS TRU	ING THE INFORMATION E. ACCURATE AND CO VIT PENALTIES FOR S DSSIBILITY OF FINE AN C \$ 1319. (Prnalties und	MOIVIOUALS IMMEDIATE  I, I BELIEVE THE SU MPLETE I AM AWARE UBMITTING FALSE INF D IMPRISONMENT SEE for these statutes may in- f between 8 months and 5 y	BMITTED INFO THAT THERE ORMATION, IN 18 USC \$ 11 clude fines up	PRIMATION ARE SIGNATION ON AND IN \$10,000 SIGNATION	Rebet Te	ARD		550 Er	87 I	D 19

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PEDDLER'S VILLAGE, SUITE 3A NEWARK. DE 19702 September 11, 1997

302 - 731-1550

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

FIELD NOTES - AMTRAK

SAMPLE # C46-237-105-106 8/24/87 - 8/25/87 Start: 0700

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 3" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along crainage pipeline. Weather Condition: Sunny and Clear.

SAMPLE # C46-238-107-108 8/25/87 - 8/26/87 Start: 0715

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at pipe opening. Flow: Approximately 20/25 gallons per minute. Weather Condition: Sunny and Clear.

Jimmy Balasingham.

J. Balas Deham, Field Technician

AME NATIONAL RAILROADDRESS WILMIN ON MAINT	ENANCE FACI	CORP. (AMTR	AK) DE 00	(2-16) 50962 IT NUMBER		OZA EN	D OF PHASE I	•		Form App. OMB No. 2 Exp 2-2	2040-000
ACILITY WWTP OCATION VANDEVER AVENUE,	WILMINGTON	, DELAWARE	FROM (20-21)	MO D	1 to ST	MO DAY	OTE: Read Instruct	ions before		IGNATOR	
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CONG (46-53)	CENTRATION (54-61)	· · · · · · · · · · · · · · · · · · ·	NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<b>&lt;</b> 5	<b>&lt;</b> 5	mg/L	0	01/30	GRAF
Mon Loc_1 00556	PERMIT REQUIREMENT	*	1 (F) <b>★</b> (1)		* *	10	15	ilig/ L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*	6.24	*	6.27	S.U.	0	01/30	GRAP
Mon Loc 1 00400	PERMIT REQUIREMENT	*	<b>.*</b>	Ŷ	6.0	* * *	9.0	3.0.	Ò	01/30	GRAB
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	< \	ug/L	0	01/30	COMP
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT		*		*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	<0.02	mg/L	0	01/30	GRAF
Mon Loc_1 38260	PERMIT REQUIREMENT	*	*	,	*	*	*	ilig/ L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	57	ug/L	0	01/30	CONP
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	0	<b>01/</b> 30	COMP
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	<b>۱</b>	a/I	C	01/30	Conf
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	0	01/30	COMP.
	SAMPLE MEASUREMENT						,				
	PERMIT REQUIREMENT										
		TO THESE PENALTY (	SE LAW THAT I HAVE	PERCONALLY	EVAMINED	~ (6	- 0				

AME/TITLE PRINCIPAL EXECUTIVE OFFICER

A. STREHLEIN MOR.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC \$ 1001 AND 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10.00) and or maximum imprisonment of between 6 months and 5 years.)

DAVID & REBER TECH (
SIGNATURE OF PRINCIPAL EXECUTIVE 302 731-1550 87 09 11
OFFICER OR AUTHORIZED AGENT CODE NUMBER YEAR MO DAY

MMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME NATIONAL RAILROA ADDRESS WILMIY ON MAINT 400 NULLH CAPITA	ENANCE FACIL	CORP. (AMTR	AK) DE 00	(2-16) 50962 IT NUMBER		02A EN	D OF PHASE I			CMB No. Ex 2-	2040-000 29-84
CATION VANDEVER AVENUE,	WYLMINGTON	, DELAWARE	FROM 87 (20-21)		1 to ST	MO DAY	OTE: Read instruct	lons before		IGNATOR	
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	iG.	(4 Card Only) (38-45)	QUALITY OR CON- (46-53)	CENTRATION (54-61)		NO.	FREQUENCY	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	π	*		*	<b>&lt;</b> 5	<b>&lt;</b> 5		0	01/30	GRAT
Mon Loc_1 00556	PERMIT REQUIREMENT	•	***	*	*	10	15	mg/L	0	01/30	22.5
рН	SAMPLE MEASUREMENT	*	*	*	6.24	*	6.27	C 11	0	01/30	GRAT
Mon Loc_1 00400	PERMIT REQUIREMENT	* //		*	6.0	*	9.0	S.U.	Ò	01/30	2 2 2 2
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	< \	/1	0	01/30	Cons
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT				* *	*.	*	ug/L	0	01/30	
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	< 0.0 à	ma /1	0	01/30	GRAT
Mon Loc_1 38260	PERMIT REQUIREMENT	*	*		*	*	*	mg/L	0	San 3 & S. 1911	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	57		0	01/30	Conf
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	0	<b>6</b> 1/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	~\	ug/L	C	01/30	Conf
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*		*	*	*	ug/ L	0	01/30	COMP.
	SAMPLE MEASUREMENT						,				
	PERMIT REQUIREMENT										
C.A. STRCHLEIN MA SAFETY AMTRAX	R AND AN ON MY OBTAIN IS TRUIT IN INFICAN THE PO 33 U S C and 'or r	A FAMILIAR WITH THE INQUIRY OF THOSE INC THE INFORMATION E. ACCURATE AND CONTROL OF FIRE AND CONTROL OF FI	OF LAW THAT I HAVE INFORMATION SUBMITTI INDIVIDUALS IMMEDIATING INFORMATION SELECT THE SUBMITTING FALSE INFORMATION FALSE INFORMATION SEE OF THE STATE INFORMATION SEE OF THE STATE INFORMATION OF THE STATE INFORMATION SEE OF THE STATE INFORMATION	ED HEREIN AN ELY RESPONS IBMITTED INFO THAT THERE TORMATION. II 18 USC \$ 1 Iclude fines up	ID BASED IBLE FOR DOMATION ARE SIG NCLUDING OO1 AND to \$10,000 SIGNATI	URE OF PRINCIPAL CER OR AUTHORIZE	ROSE CR TECH U EXECUTIVE 303	TELEPHONI	<b>5</b> 5º	DA OT C YEAR M	9 11 0 DAY
OMMENT AND EXPLANATION OF AN	Y VIOLATIONS (Re	Jerence all attachment	is here)	44						رڪ	

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (APDES), DISCHARGE MONITORING REPORT (DMR)

Facility Name/Location if different)

m 3320-1 V. 10-79) PREVIOUS EDITION TO BE USED

Form Approved \* OMB No. 2040-0004

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.25452.7

DATE 09/11/87

DATE SAMPLED 8/24 - 8/25

DATE RECEIVED 8/25

SAMPLED BY CVI/JB

LOG DATE 237

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLEN
ANALYSIS: DATE	9/01	9/01	9/11
TIME	1030	1030	1500
TECH	DR	DR	DR
SAMPLE RESULT	< 1 ppb	< 1 ppb	57 ppb
DUPL I CATE	< 1 ppb	dqq 1 >	54 ppb
SPIKE AMOUNT	6.	10.	41.
% RECOVERY	91%	98%	99%
METHOD USED	EPA 608	EPA 608	EPA 601
 GRAB <b>00</b> 2A	OIL & GREASE	PH	SURFACTANTS (MBAS
		0/05	9/02
ANALYSIS: DATE	8/27	□ /	
ANALYSIS: DATE TIME	8/27 1430	1130	0930
•			
,	143Ø MW	1130	0930
TIME TECH SAMPLE RESULT	143Ø MW	1130 MW	Ø93Ø JM < <b>Ø.</b> Ø2
TIME TECH SAMPLE RESULT DUPLICATE	143Ø MW < 5 ppm	1130 MW 6.27	Ø93Ø JM < <b>Ø.</b> Ø2
TIME TECH SAMPLE RESULT	1430 MW < 5 ppm < 5 ppm	1130 MW 6.27 6.24	Ø93Ø JM < Ø.Ø2 < Ø.Ø2

David W. Rebert Jech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.25452.7

DATE Ø9/11/87

DATE SAMPLED 8/25 - 8/26

DATE RECEIVED 8/26

SAMPLED BY CVI/JB

LOG DATE 238

Mr. Christopher A. Strehlein, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

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	·	1 '		1 1	3.71	771 74 7 7 1-	. 1	A	١

COMPOSITE ØØ1	PCE	PCB					
ANALYSIS: DATE	9/Ø1 1Ø30		9/11 1530				
TECH	DF		DR				
SAMPLE RESULT	< 1		1 ppb				
DUPLICATE		ppb	1 ppb				
SPIKE AMOUNT	10		41.				
% RECOVERY	94	96%					
METHOD USED	EPA 6	Ø8	EPA 601				
GRAB ØØ1	OIL & GREASE	2H	SURFACTANTS (MBAS)				
ANALYSIS: DATE	8/31	8/26	9/02				
TIME	1030	1330	1030				
TECH	MW	MW	JM				
SAMPLE RESULT	< 5	7.06	Ø. Ø9				
DUPLICATE	< 5	7.08	0.09				
SPIKE AMOUNT	N/A	N/A	Ø.71				
% RECOVERY	N/A	N/A	98%				
METHOD USED	EPA 413.1	EPA 150.1	EPA 425.1				

David W. Reber, Tech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

August 4, 1987

302 - 731-1550

Mr. Wayne C. LaMarche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenua Wilmington, DE 19801

13 Jan mus.

#### FIELD NOTES - AMTRAK

SAMPLE # 046-197-104-105 7/15/87 - 7/16/87 Start: 0700

Outfall 862A - Opening of 42" drainage sips into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Sample tube was placed 6" below water surface at pipe opening at low tide. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along crainage pipeline. Weather Condition: Clear curing sampling time, however, thunderstorms & heavy rain occurred the previous day.

SAMPLE # 046-190-104-105 7/16/87 - 7/17/87 Start: 0700

Outfall 801 - Outfall into tributary of Delaware River. Bampling tube placed 12" below water surface. Compositor was placed 2.5' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear suring duration of sampling time. Grab samples taken at pipe opening. Flow: Approximately 25 gallons per minute.

Jana, Rolasecham.

J. Balakingham. Field Technician

PEDDLER'S VILLAGE, SUITE SA NEWARK, DE 19702

302 - 731-1550

DATE 046.21655.7

DATE 08/04/87

DATE BAMPLED 7/16 - 7/17

DATE RECEIVED 7/17

SAMPLED BY CVI/JB

LOG DATE 198

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801 1 / Bin My

#### REPORT OF ANALYSIS

COMPOSITE 001	FCI		TRICHLOROETHYLENE				
ANALYSIS: DATE	7/25		7/22				
TIME	1100	)	1030				
TECH	DR		DR				
SAMPLE RESULT		pob	2 ppb				
DUPLICATE	< 1	dag 2					
SPIKE AMOUNT	18		41.				
% RECOVERY	95	94%					
METHOD USED		EPA 608					
	OIL % GREASE		BURFACTANTS (MBAS)				
ANALYSIS: DATE	7/30	7.47	7/31				
TIME	ଘ ୨ ଓ ଡ	1400	1030				
TECH	MW	141M	JM .				
SAMPLE RESULT	< 5	7.59	0.03				
	₹ 5	7.61	Ø. Ø3				
DUPLICATE	No. 1						
			. 536				
DUPLICATE SPIKE AMOUNT % RECOVERY		N/A N/A	.536 99%				

Savid W. Reper. Fech. Dir.

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.21655.7

DATE 08/04/87

DATE SAMPLED 7/15 - 7/16

DATE RECEIVED 7/15

SAMPLED BY CVI/JE

LOG DATE 197

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

18- History oryn.

COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLENE
ANALYSIS: DATE	7/28	7/28	7/22
TIME	1150	1130	i Ø3Ø
TECH	DR	DR	DR
SAMPLE RESULT		< 1 ppb	
DUPLICATE	daq i >	dae 1 >	deq E7
SPIKE AMOUNT	Es a	10.	41.
% RECOVERY	97%	96%	1. <b>@ 03</b> %
METHOD USED	EPA 6 <b>0</b> 8	EPA 6 <b>0</b> 8	EPA 601
	OIL & GREASE	FH	SURFACTANTS (MBAS)
ANALYSIS: DATE	7/21	7/16	
TIME	1400	1530	1400
E Some Con-	MW	MM	JM
SAMPLE RESULT	< <b>5</b> pam	<b>6.</b> 87	Ø. Ø2
	< 5 ppm	6.91	0.02
DUPLICATE	· · · · · · · · · · · · · · · · · · ·	14 4 / 14	
DUPLICATE SPIKE AMOUNT	N/A	NZA	. i Ø
			. iØ

David W. Reber, Tech. Div.

AME NATIONAL RAILROA  DDRESS WILM! ON MAINT  400 NUKTH CAPITA	D PASSENGER ENANCE FACI L ST. N.W.	CORP. (AMTR	DE 00	(2-16)		ON BYSTEM (NPDES) RT (DMR) (17-19) 102A  HARGE NUMBER	D OF PHASE I				oproved · 0. 2040-0004 2-29-84 ,
ACILITY WWTP	WILMINGTON	, DELAWARE	FROM (20-21)			MO DAY	OTE: Read instruct	tions before		IGNATO	
PARAMETER		(3 Card On!y) QU (46-53)	ANTITY OR LOADIN (54-61)	a	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)		NO.	FREQUENC	TYPE
(32-37)		AVERAGE	MAXIMUM	атіми	MINIMUM	AVERAGE	MAXIMUM	· UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	<b>&lt;</b> 5	<5	,,	0	01/3	OGRAP
Mon Loc_1 00556	PERMIT REQUIREMENT	1 × 4	*	*	* (9)	10	15	mg/L	0	01/30	
рН	SAMPLE MEASUREMENT	*	*	*	6.87	*	19.91	C 11	0	01/3	O GRAF
Mon Loc_1 00400	PERMIT REQUIREMENT	* * *	e.a 12 <sup>2</sup>	^	6.0	***	9.0	S.U.	Ó	01/30	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	< \	,,	0	01/30	Cons
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	* * * * * * * * * * * * * * * * * * * *		^	* 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1	*	*	ug/L	0	01/30	
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	* .	*	*	*	*	0.02		0	01/30	GRA
Mon Loc 1 38260	PERMIT REQUIREMENT	*	*	•	*	*	*	mg/L	0	01/30	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	44	/!	Q	01/30	CONF
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	0	01/30	
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ua/!	O	01/30	COMP
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*		* * * * * * * * * * * * * * * * * * *	******		ug/L	0	01/30	
	SAMPLE MEASUREMENT						,				
	PERMIT REQUIREMENT										
AME/TITLE PRINCIPAL EXECUTIVE	AND AN	FAMILIAR WITH THE	OF LAW THAT I HAVE P INFORMATION SUBMITTE INDIVIOUALS IMMEDIATE	D HEREIN AN	D BASED	and mel	d. 2	TELEPHONE	Ε	D /	ATE
Portugali	OBTAINI IS TRUE NIFICAN THE PO 33 USC	NG THE INFORMATION  E ACCURATE AND CO  T PENALTIES FOR S  ISSIBILITY OF FINE AN  1 \$ 1319 (Penalties und	INDIVIOUS MEDICIAL N. I BELIEVE THE SU MPLETE I AM AWARE SUBMITTING FALSE INF ID IMPRISONMENT SEE der these statutes may in f between 6 months and 5 y	BMITTED INFO THAT THERE ORMATION IN 18 USC \$ 1 clude (inex up	DRMATION ARE SIG DAY1 OUT AND OUT AND SIGNATION	D W Rebe			550	87 r	28 04
TYPED OR PRINTED	ana or n	waterweit terperationment of	, arra o amantan una a y	. + / / /	OFFIC	CER OR AUTHORIZE	LU AGENT	NUMB	ER	YEAR	MO DAY

V. 10-79) PREVIOUS EDITION TO BE USED

DMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(REPLACES EPA FORT T-40 WHICH MAY NOT BE USED.)

FERMITTEE NAME/ADDRESS (Inclu Facility Name/Location if different) NAME NA NAL RAILRU ADDRESS WILNGTON MAIN 400 NORTH CAPIT	AD PASSENGER TENANCE FACI AL ST. N.W.	<u>CORP. (AMTR</u> LITY	AK) DE		<del></del>						oroved 2040-000 -29-84 ,
WASHINGTON, D.C FACILITY WWTP LOCATION VANDEVER AVENUE			FROM 27 (20-21)	MO D 0 <sup>T</sup> ] C (22-23) (24	(26 27) (	MO DAY 07 31 28-29) (30-31) N	OTE: Read instruct			GNATOR_	
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADIN (54-61)	IG	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	(54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	BTINU	MUMINIM	AVERAGE	MAXIMUM	UNITS	(62-63)	1	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<b>&lt;</b> 5	<b>45</b>	(1	0	01/30	GTAR
Mon Loc 1 00556	PERMIT REQUIREMENT	* ***	*	Î	*	10	15	mg/L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*	7.59	*	7,61	S.U.	0	01/30	GTAF
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	3.0.	0	01/30	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*	<		0	01/30	Cont
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	*	*	* /	*	ug/L	0	01/30	
SURFACTANTS	SAMPLE MEASUREMENT	*	*		*	*	0.03		0	01/30	GTA
(MBAS) Mon Loc 1 38260	PERMIT REQUIREMENT	*	\$3.00 <b>*</b>	*	*	*	*	mg/L	0	01/30	3 1 3
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	1.	*	*	2		0	01/30	Conf
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*	*	* *	*	*	ug/L	0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT										
	SAMPLE MEASUREMENT						······································				
	PERMIT REQUIREMENT										
AME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	F LAW THAT I HAVE F INFORMATION SUBMITTE INDIVIDUALS IMMEDIATE	D HEREIN AN	ND BASED   > /	AN Cal		ELEPHONE		DA	TE

TYPED OF PRINTED and or maximum imprisonment of between OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attuchments here)



MIFICA-T PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. \$ 1001 AND

33 USC \$ 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

YEAR

302731-1550 AREA NUMBER

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

Mr. Wayne C. LaMarche. Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 17801 July 8, 1987

#### FIELD NOTES - AMTRAK

SAMPLE # C46-169-104-105 6/17/87 - 6/18/87 - Start: 0930

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 4" below water surface at pipe opening. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline. Weather Condition: Sunny (78 degrees) & Clear.

SAMPLE # C46-170-104-105 6/19/87 - 6/19/87 - Start: 0930

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 5" below water surface. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear curing duration of sampling time. Grab samples taken at pipe opening. Flow: Approximately 5 gallons per minute.

Jernmy Colosingham.

J. Balasungham, Field Technician

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

ANALYTICAL REPORT # C46.18952.7

DATE 07/08/87

DATE SAMPLED 6/17 - 6/18

DATE RECEIVED 6/18

SAMPLED BY CVI/JB

LOG DATE 169

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

REPORT	OF	ANAL	γ.	5 I	3	

•	•		· · · · · · · · · · · · · · · · · · ·
COMPOSITE 002A	DIELDRIN	PCB	TRICHLORETHYLEN
ANALYSIS: DATE	7/01	7/01	7/02
TIME	1300	1300	1045
TECH	DR	DR	DR
SAMPLE RESULT	< i ppb	< 1 ppb	54 ppb
DUPLICATE	< i ppb	dea t >	52 ppb
SPIKE AMOUNT	Ć) .	10.	41.
% RECOVERY	92%	ዋወ%	94%
METHOD USED	EPA 6 <b>0</b> 8	EPA 608	EPA 401
GRAB ØØ2A	OIL & GREASE	PH	SURFACTANTS (MBAS
ANALYSI3: DATE	4/23	47:3	7/27
TIME	1403	1530	1230
TECH	MW	MM	ΰM
SAMPLE RESULY	< 5 ppm	6.12	Ø. Ø57
DUPLICATE	< 5 ppm	6.10	Ø.045
SPIKE AMOUNT	N/A	NZA	<u>. E 1</u>
% RECOVERY	N/A	NZA	94%
METHOD USED	EFA 413.1	EPA 150.1	EPA 425.1
			and the second second

David Wilde

David W. Reber, Tech. Dir

PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

302 - 731-1550

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801 ANALYTICAL REPORT # C46.18952.7

DATE 07/08/87

DATE SAMPLED 6/18 - 6/19

DATE RECEIVED 6/19

SAMPLED DY CVI/J3

LOG DATE 170

#### REPORT OF ANALYSIS

COMPOSITE 001	eca	TRICHLOROETHYLENE			
ANALYSIS: DATE	7/21	7/02			
TIME	1300	1132			
TECH	DR		ЭR		
SAMPLE RESULT	< 1	< i epb			
DUPLICATE		das 1 >			
SPIKE AMOUNT	1.3	13.			
% RECOVERY	58%				
METHOD USED		EPA AMB			
GRAB 001	OIL & GREASE		SURFACTANTS (MBAS		
ANALYSIS: DATE	6/26	6/19	7/87		
TIME		1400	1330		
TECH	MW	MM	M		
SAMPLE RESULT		7.17	P.42		
DUPLICATE	λ 5 7.18		2.38		
SPIKE AMOUNT	N/A N/A		1.67		
% RECOVERY	NZA				
			98% 		
METHOD USED			EPA 425.1		

Savid W. Reber, Tech. Dir.

DISCHARGE MONITORING REPORT (DMR) OMB No. 2040-0004 NATIONAL RAILROAD PASSENGER CORP. (AMTRAK) (17-19)(2-16)Expires 2-29-84 END OF PHASE I ADDRESS WILM TON MAINTENANCE FACILITY 002A DE 0050967 400 NURTH CAPITAL ST. N.W. DISCHARGE NUMBER PERMIT NUMBER MONITORING PERIOD WWTP FACILITY YEAR MO DAY YEAR MO DAY LOCATION VANDEVER AVENUE, WILMINGTON, DELAWARE DESIGNATOR A FROM 8-TO 00 30 DI NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION FREQUENCY SAMPLE NO. (46-53)(54-61)(38-45)(46-53)(54-61)PARAMETER OF ANALYSIS TYPE ĘΧ (32-37)AVERAGE · UNITS AVERAGE MAXIMUM UNITS MINIMUM MAXIMUM (62-63) (64-68)(69-70)SAMPLE OIL & GREASE \* \* \* 45 **<**5 MEASUREMENT GrAB 01/30 O\* mg/L PERMIT 15 0 00556 \* \* 10 01/30 GRAB Mon Loc 1 REQUIREMENT SAMPLE \* pН \* 01/30 GRAB MEABUREMENT (.. IO 6,12 S.U. PERMIT 01/30 \* 0 GRAB 6.0 9.0 00400 Mon Loc 1 REQUIREMENT RAMPLE \* \* \* ·· \* . POLYCHLORINATED Comp 01/30 MEASUREMENT < 0 \* BIPHENYLS (PCB'S) ug/L PERMIT \* \* \*, \* 0 01/30 COMP 39516 \* Mon Loc 1 REQUIREMENT SAMPLE \* \* \* SURFACTANTS (MBAS) .067 MEASUREMENT 130 (3TAP \* mg/L PERMIT \* \* \* \* 0 01/30 GRAB 38260 Mon Loc 1 REQUIREMENT SAMPLE \* \* TRICHLOROETHYLENE COMF 01/30 MEASUREMENT ug/L \* PERMIT \* \* \* \* COMP 39180 \* 0 01/30 Mon Loc 1 REQUIREMENT SAMPLE \* \* \* DIELDRIN COMP 01/30 MEABUREMENT ug/L \* PERMIT \* \* \* 01/30 COMP 39380 \* -\* Mon Loc 1 REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR ON MY INDUSTRY OF THOSE INJUSTICALLY MESTALIZED INFORMATION

OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION

IS TRUE, ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING OZ  $\Gamma_0$ THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC \$ 1001 AND 302 731-1550 SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum impresonment of between 6 months and 5 years.) NUMBER YEAR TYPED OR PRINTED OFFICER OR AUTHORIZED AGENT МО DAY OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

V. 10-79) PREVIOUS EDITION TO BE USED

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Includ Facility Name/Location II different) NAME N ONAL RAILRO ADDRESS WILMINGTON MAIN 400 NORTH CAPITA WASHINGTON, D.C.	AD PASSENGER TENANCE FACI AL ST. N.W.	CORP. (AMTR	AK) DE	OODUS62	DISCH	17 (DMR) (17-19) 101 NARGE NUMBER			_	Form App OMB No oires 2	2040-000
FACILITY WWTP LOCATION VANDEVER AVENUE			FROM 8.7	MO D Clg C (22-23) (24		MO DAY F) 6 30 28-29) (30-31) N	OTE: Read Instruct			GNATOR_/	
PARAMETER		(3 Card Only) QUANTITY OR LOADING (46-53) (34-61)		(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO.			SAMPLI TYPE	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	l	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<b>&lt;</b> 5	<5	/I	0	01/30	GTAT
Mon Loc 1 00556	PERMIT REQUIREMENT	*	*	] ^	* * *	10	15	mg/L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*	7.17	<b>3</b> 4:	7.18	s.u.	0	01/30	GTAS
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*		6.0	<b>.</b>	9.0	3.0.	0	01/30	T
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*	<		0	01/30	Cons
BIPHENYLS (PCB'S) Mon Loc_1 39516	PERMIT REQUIREMENT	*	*		*	* /	*	ug/L	0	01/30	
SURFACTANTS	SAMPLE MEASUREMENT	*	*		*	*	2.42		0	01/30	GTA
(MBAS) Mon Loc <u>l</u> 38260	PERMIT REQUIREMENT	*	*	<b>†</b> *	*	*	*	mg/L	0	01/30	§
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*		*	*	وا		0	01/30	Cons
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	***	ug/L	0	01/30	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY O	INFORMATION SUBMITTE	ED HEREIN: AF	ND BASED	10/1	/	FELEPHONE		DA	TE
B-17 les	OBTAIN IS TRU	INQUIRY OF THOSE INFORMATION CO. ACCURATE AND CO. TO PENALTIES FOR S. D. SSIBILITY OF FINE AND CO.	N, I BELIEVE THE SU MPLETE I AM AWARE UBMITTING FALSE INF	BMITTED INFO THAT THERE TORMATION: II	ARE SIG.	W. Rebet	EXECUTIVE 300	LM21-12	550	87 0.	7 08

TYPED OR PRINTED and or maximum imprisonment of between OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all assuchments here)



YEAR

NUMBER

OFFICER OR AUTHORIZED AGENT

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

FIELD NOTES - AMTRAK

SAMPLE # C46-133-112-113 5/12/87 - 5/13/87 Start: 12:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Greek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at high tide. Heavy thunderstorms beginning in afternoon of 5/12/87 continuing into evening of 5/12/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-134-104-105 5/13/87 - 5/14/87 Start: 12:00 P.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 36" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sunny and clear during duration of sampling time. Grab samples taken at pipe opening. Flow rate was rapid and flowing at a rate greater than 25 gailons per minute.

Jett Walsh Field Theorician

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE - SUITE 3A NEWARK, DE 19702 (302) 731-1550

ANALYTICAL REPORT # C46.14950.7

DATE 5/29/87

DATE SAMPLED 5/12 - 5/13

DATE RECEIVED 5/13 .

SAMPLED BY CVI/JW

LOG DATE 133

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

#### REPORT OF ANALYSIS

COMPOSITE ØØ2A	DIELDRIN	PCB	TRICHLORETHYLENE			
ANALYSIS: DATE	5/22		3/22			
TIME	0930		1330			
TECH	DR	DR	DR			
SAMPLE RESULT	( l ppb	ded I >	151 ppb			
DUPLICATE	ે 1 ၉၈၆	d 1 ppb	dag 941			
SPIKE AMOUNT		1. 12.	41.			
% RECOVERY	95%	97%	93%			
METHOD USED			EPA 601			
	OIL & GREASE	PH	SURFACTANTS (MBAS)			
ANALYSIS: DATE						
	5/18	5/13	5/2 <b>9</b>			
ANALYSIS: DATE	5/18		5/2 <b>9</b>			
ANALYSIS: DATE TIME	5/18 123 <b>0</b>	5/13 1445 MW	5/29 153 <b>0</b> JM			
ANALYSIS: DATE TIME TECH SAMPLE RESULT	5/18 123 <b>0</b> M <b>W</b>	5/13 1445 MW 5.75	5/29 1530 JM 0.42			
ANALYSIS: DATE TIME TECH SAMPLE RESULT	5/18 1230 MW < 1 ppm < 1 ppm	5/13 1445 MW 5.75	5/29 1530 JM 0.42 0.41			
ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE	5/18 1230 MW < 1 ppm < 1 ppm	5/13 1445 MW 5.75 5.70	5/29 1530 JM 0.42 0.41 .65			

David W. Reper, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

ANALYTICAL REPORT # C46.14950.7

DATE 5/29/87

DATE SAMPLED 5/13 - 5/14

DATE RECEIVED 5/14

EAMPLED BY CVI/JW

LOG DATE 134

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

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		2 5 kmps 1 2m² 2 5 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
COMPOSITE ØØ1		PCB	TRICHLOROETHYLENE			
ANALYSIS: DATE		5/22	5/22 1400 /			
		ଣ୍ଡ <b>ଣ</b>				
	TECH	RQ		DR		
SAMPLE RESULT		s' 1.	4 1 ppb			
DUPLICATE		< 1	< 1 ppb			
SPIKE AMOUNT		1.0	î (0 m			
% RECOVERY		99	98%			
METHOD USED		EPA 6	EPA 600			
GRAB 001		OIL & GREASE	БH	SURFACTANTS (MBAS		
		5/18	5/14			
	TIME	1430	1500	1530		
TECH		MIN	MA	JM		
SAMPLE RESULT		4, I	6.92	Ø.4Ø		
DUPLICATE		< 1	6.92	0.40		
SPIKE AMOUNT		NZA	NZA	. 65		
% RECOVERY	(	NZA .	NZA	93%		
METHOD USED		EPA 413.1	EPA LEG. 1	SPA 425.1		

David W. Reper, Tech. Dir.

NAME NATY L RAILROA  ADDRESS WILMTON MAINT  400 NORTH CAPITA	ENANCE FACI	CORP. (AMTR	AK) DE 00	(2-16)	TORING REPOR	(17-19)	D OF PHASE I	•		Form App. ON No. 2 E. \$ 2-2	orov <del>ed</del> † 2040-0004 29-84
ACILITY WWTP	WILMINGTON	, DELAWARE	FROM YEAR (20-21)	MO 0		MO DAY	OTE: Read instruct	ions before		IGNATOR	
PARAMETER		(3 Card Only) QU/ (46-53)	ANTITY OR LOADIN (54-61)		(4 Card Only) (38-45)	QUALITY OR CON (46-53)			T	FREQUENCY	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	· UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<b>۱</b>	< 1	mg/L	0	01/30	GTA
Mon Loc_1 00556	PERMIT REQUIREMENT	* *			*	10	15	ing/ L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*	5.75	* .	5.75	S.U.	1	01/30	GTAT
Mon Loc_1 00400	PERMIT REQUIREMENT	*			6.0	*.	9.0	3.0.	ŷ	01/30	GRAB
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	< \	ug/L	0	01/30	Cons
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*			*	*.	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*		*	*	.42	ma /1	0	01/30	GTA"
Mon Loc_1 38260	PERMIT REQUIREMENT	*	*	Î	*	*	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	151	ug/L	0	01/30	Conf
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	0	01/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	<1	ug/L	0	01/30	COMP
Mon Loc_1 39380	PERMIT REQUIREMENT	*	*		*	*	*	ug/ L	0	01/30	100
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
AME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY O	INFORMATION SUBMITTE	ED HEREIN A	NO BASED TO	$S_{i}$	Elser	TELEPHONE		DA	TE
DAYNE C. LAMASCLE  TYPED OR PRINTED  MMENT AND EXPLANATION OF AN	MOR OBTAIN IS TRUE NIFICATION THE PO	Y INQUIRY OF THOSE INFORMATION UE. ACCURATE AND CO NT PENALTIES FOR S OSSIBILITY OF FINE ANI MAXIMUM IMPRISONMENT OF	N. 1 BELIEVE THE SU MPLETE. I AM AWARE UBMITTING FALSE INF D IMPRISONMENT SEE ler these statutes may in I between 6 months and 5 y	IBMITTED INFO THAT THERE FORMATION IN 18 USC \$ 1 Include fines up	ORMATION ARE SIGNALISM SIGNATION AND SIGNATION SIGNATION AND SIGNATION SIGNATION SIGNATION SIGNATION	URE OF PRINCIPAL	A KW		550 er	87 O	5 29
SHIPPING EVERYNDING OF AN	CEATIONS (A	-,	,								

TH 3320-1 V. 10-79) PREVIOUS EDITION TO BE USED

(REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED.)

PAGE

PAGE OF

PERMITTEE No PE/ADDRESS (Include Fucility Name NA. ONAL RAILROA ADDRESS WILMINGTON MAINT WASHINGTON, D.C.  FACILITY WWTP LOCATION VANDEVER AVENUE.	D PASSENGER ENANCE FACI L ST. N.W. 20001	LITY	AK)	0050962 11 NUMBER MONIT	TORING PERIO	OD DAY	OTE: Read instruct			apires 2-2	2040-090 29-84# \$ A_
PARAMETER		(3 Card Only) QU. (46-53)	(20-21) ANTITY OR LOADIN (54-61)		(4 Card Only) (38-45)	QUALITY OR CON (46-53)			NO.	FREQUENCY OF ANALYSIS	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	1	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	<1	<1	/1	0	01/30	GTAS
Mon Loc 1 00556	PERMIT REQUIREMENT	:	*	Î	*	10	15	mg/L	0	01/30	
рН	SAMPLE MEASUREMENT	*	*	*	6.92	,*	6.92	S.U.	0	01/30	GTA'
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	3.0.	0	01/30	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*	< \	,,	0	01/30	COMP
BIPHENYLS (PCB'S) Mon Loc <u>l</u> 39516	PERMIT REQUIREMENT	* * *	*	* '	*	* /	*	ug/L	0	01/30	
SURFACTANTS	SAMPLE MEASUREMENT	*	*		*	*	.42	,,	0	01/30	GTA
(MBAS) Mon Loc <u>l</u> 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	< \	,,	0	01/30	Cons
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0		COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WAYNE C. LAMARCHE MANACE

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASE
ON MY INOURY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR
OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION
IS TRIE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE AIR SUBMITTING FALSE INFORMATION. INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. \$ 1001 AND 33 U.S.C. \$ 1319. (Penalties under these statutes may include fines up to \$10.000 and or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE DATE 05 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The specified parameter for PH is 9.0 to 6.0. The level for the month of May was 5.75 which is .25 lower than the established parameter. The reason for the low PH count is that during the sampling there were heavy thunderstorms for the period. The field notes indicate the inclement weather and is underscored.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

### FIELD NOTES - AMTRAK

SAMPLE # C46-118-105-106 4/27/87 - 4/28/87 Start: 11:30 A.M.

Outfall 202A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 6" below water surface at pipe opening at low tide. Light rain beginning in late p.m. of 4/27/87 ending in early a.m. of 4/28/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-119-109-110 4/28/87 - 4/29/87 Start: 11:30 A.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at low tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Sporadic rain showers in afternoon of 4/28/87 clearing in late p.m. of 4/28/87. Grab samples taken at pipe opening. Flow approximately 5 gallons per minute.

Malsh, Field Technician

400 NC CAPITA	h_Sia_NaMa_		PERM	IT NUMBER	OISC!	HARGE NUMBER					
SCILLTY WWTP SCATION VANDEVER AVENUE,	WILMINGTON	, DELAWARE	FROM ST	MO D		MO DAY 04 30	lOTE: Reed Instruc	tlane hetarre		IGNATOR	
PARAMETER (32-37)		(46-53)	(20-21) ANTITY OR LOADIN (54-41)	·	(4 Card Only) (38-45)	QUALITY OR CON (46-J3)	GENTRATION (54-61)		1	FREQUENCY OF ANALYSIS	1
(34-77)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	· UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	< \	< \	mg/L	0	01/30	GTAT
Mon Loc_1 00556	PERMIT REQUIREMENT	*	*		•	10	15	nig/ L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	_		*	6.25	s.u.	0	01/30	GTAT
Mon Loc_1 00400	PERMIT REQUIREMENT	*		•	6.0	*4	9.0	3.0.	Ò	<b>0</b> 1/30	GRAB
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	***	< \		0	01/30	Com
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	•		*	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.10	/l	0	01/30	GTAI
Mon Loc_1 38260	PERMIT REQUIREMENT		•	•	*	*	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	139	(1	0	01/30	Conf
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	^	*	*	*	ug/L	0	<b>0</b> 1/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	* *	*	*	*	*	<1	()	0	01/30	COMP
fon Loc 1 39380	PERMIT REQUIREMENT	* /		_	*	±1.	*	ug/L	0	01/30	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT				•						
ME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	F LAW THAT ! HAVE !	D HEREIN: AF	O BASED	ارام المؤر	1/2-	TELEPHONE	1	DA	7 E
SAVALE C. LAMATC	OBTAIN IS TRU NO P. NIFICAN	ING THE INFORMATION E. ACCURATE AND CO IT PENALTIES FOR S	INDIVIDUALS IMMEDIATE N. I BELIEVE THE SU IMPLETE I AM AWARE IUBMITTING FALSE INF	SMITTED INFO THAT THERE ORMATION, II	ARE SIG.	D Rebet	Ech. Dir	. 1		071	5 0
TYPED OR PRINTED	ALLOTA 33 080	: § 1319. (Penalties un	IO SMPRISONMENT SEE for these statutes may in f hetween 6 months and 5 y	clude fines up	to \$10,000	URE OF PRINCIPAI CER OR AUTHORIZ		1731-1		YEAR M	
MENT AND EXPLANATION OF AN	Y VIOLATIONS (Re	ference all attachmen	ts here)				1,000		1		

DISCHARGE MONITORING REPORT (DME)

DE 0050962

NATIONAL RAILROAD PASSENGER CORP. (AMTRAK)

OMB No. 2040-0004 Ext 29-84

END OF PHASE I

MAME NATIONAL RAILRO ADDRESS WILL GTON MAIN 400 NORTH CAPIT WASHINGTON, D.C.	TENANCE FACI AL ST. N.W.	CORP. (AMIR	AK) DE	0050-02	R DISCH	(17-19) 001 ARGE NUMBER			-	No.	2040-000- 29-84
FACILITY WATP LOCATION VANDEVER AVENUE			FROM YEAR (20-21)	MO E 014 0 (22-23) (24	10 ST (2627) (	MO DAY	OTE: Read Instruc			GNATOR_	_
PARAMETER (32-37)		(46-53)	(54-61)	UNITE	(38-45)	(46-53)	(54-61)	UNITS	NO.	FREQUENCY OF ANALYSIS	SAMPLE
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	<b>,</b>	1		(62-63)	1	(69-70)
Mon Loc 1 00556	PERMIT	*	*	*		10	15	mg/L	0	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*			*	7.33		0	01/30	Gras
Mon Loc_1 00400	PERMIT REQUIREMENT	•	* 3	*	6.0	* * *	9.0	S.U.	0	01/30	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*	<b>ح</b> ا		0	01/30	PMOD
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	*	*	* /	•	ug/L	0	01/30	
SURFACTANTS	SAMPLE MEASUREMENT	*	. *		*	*	0.24		0	01/30	CTAP
(MBAS) Mon Loc_1 38260	PERMIT REQUIREMENT		*	*	*	*	*	mg/L	0	01/30	97 S. C. S. S. V.
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	3		0	01/30	COMP
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	•	•	*	*	ug/L	0	01/30	1 1,711 3
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
SAYNE C. LAMATO SAFETY 4 ENVIT. O TYPED OR PRINTED	AND AN ON MAY OF THE PO	FY UNDER PENALTY O  4 FAMILIAR WITH THE! 1NQUIRY OF THOSE 1NG THE INFORMATION E. ACCURATE AND COI T PENALTES FOR SI 8568HITY OF FINE AN 15 1319. [Presizes und maximum imprisonment of	NFORMATION SUBMITTE INDIVIDUALS IMMEDIATE I, I BELIEVE THE SUI MPLETE I AM AWARE UBMITTING FALSE INF D IMPRISONMENT. SEE or these statutes may in	D HEREIN: AF ELY RESPONS BMITTED INFO THAT THERE ORMATION, II 18 U.S.C. \$ 1 clude fines up	NO BASED HOLE FOR COMMATION ARE SIGNATUDING 1001 AND to \$10,000 SIGNATU	Rebet Te Re of Principal er or authorize	EXECUTIVE 30		550	87 O	508
OMMENT AND EXPLANATION OF AR	Y VIOLATIONS (Re	jerence all attachments	i here)				1 400				

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

\*\* THE STATE OF TH

Form Approved

File resting

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

ANALYTICAL REPORT # C46.12850.7

DATE 5/08/87

DATE SAMPLED 4/28 - 4/29

DATE RECEIVED 4/28 - 4/29

SAMPLED BY CVI/JW

LOG DATE 119

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

### REPORT OF ANALYSIS

COMPOSITE ØØ1	PCB		TRICHLOROETHYLENE				
ANALYSIS: DATE	5/05		5/05				
TIME	0930		0930				
TECH	DR		DR				
SAMPLE RESULT	< 1	ЬЬР	3 ррь				
DUPLICATE	< 1	ььр	3 ppb				
SPIKE AMOUNT	10	22.					
% RECOVERY	96	95%					
METHOD USED	EPA 6	EPA 608					
and the the two took life life him has been one and this life him took also also							
GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS)				
ANALYSIS: DATE	5/Ø5	4/29	5/06				
TIME	1430	1630	1430				
TECH	MW	MW	DH				
SAMPLE RESULT			Ø.23				
DUPLICATE		7.33	0.24				
SPIKE AMOUNT	N/A	N/A	50				
% RECOVERY		N/A					
	EPA 413.1						

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES. INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702 (302) 731-1550

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ANALYTICAL REPORT # C46.12850.7 5/08/97 DATE DATE SAMPLED 4/28 - 4/29 DATE RECEIVED 4/28 - 4/29 SAMPLED BY CVI/JW LOG DATE 119

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

REPORT OF ANALYSIS

COMPOSITE ØØ1	PCB	TRICHLOROETHYLENE
ANALYSIS: DATE	5/05	3/Ø5
TIME	ଅବ୍ୟର	Ø93Ø
TECH	DR	ĎR
SAMPLE RESULT	daq 1 >	dqq E
DUPLICATE	dag 1 ppb	dqq 5
SPIKE AMOUNT	10.	
% RECOVERY	96%	95%
METHOD USED	EPA 8Ø8	EPA 501

GRAB 001		OIL & GREASE	ъ́Н	SURFACTANTS	(MBAS)
ANALYSIS	: DATE	5/05	4/29	5/06	
	TIME	1.43Ø	1630	1430	
	TECH	MM	MW	DH	
SAMPLE RI	ESULT	.1 .i.	7.33	0.23	
DUPLICAT	o con. 5 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	j.	7.33	0.24	je.
SPIKE AM	OUNT	N/A	N/A	50	
% RECOVE	RY	NZA	, N/A	109.2%	
METHOD U	SED	* 54-2"EPA 413, 1"	EPA 15071	EPA 425.1	Transfer of the second

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE JA NEWARK, DE 19702

### FIELD NOTES - AMTRAK

SAMPLE \* C46-090-107-108 3/30/87 - 3/31/87 Start: 3:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free-flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at low tide. Light to moderate rain beginning on a.m. of 3/30/87 continuing through 3/31/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-091-119-120 3/31/87 - 4/1/57 Start: 3:30 P.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Rain clearing in early afternoon of 3/31/87. Grab samples taken at pipe opening. Flow: approximately 2.5 gallons per minute.

Walsh: Field Technician

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE - SUITE 3A NEWARK, DE 19702

> ANALYTICAL REPORT # C46.10352.7 DATE 4/13/87 DATE SAMPLED 3/30 - 3/31 DATE RECEIVED 3/30 - 3/31 SAMPLED BY CVI/JW LOG DATES Ø9Ø

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

### REPORT OF ANALYSIS

COMPOSITE ØØ2A			TRICHLORETHYLEN
ANALYSIS: DATE	4/9	4/9	4/9
TIME	1390	1300	1300
TECH	DR	DR	DR
BAMPLE RESULT	< 1 ppb	< 1 ppb	125 ppb
DUPLICATE	< l ppb	dag 🛴 🗦	123 ppb
SPIKE AMOUNT	() n	erry see door mee' . H	2 <b>0.</b> 5
% RECOVERY	79%	100%	96.4%
METHOD USED	EPA 608	EFA 6 <b>0</b> 8	EPA 601
GRAB ØØ2A	OIL & GREASE	рH	SURFACTANTS (MBAS
ANALYSIS: DATE	4/6	3/31	4/8
TIME	1500	1645	1310
TECH	MW	MM	JM
BAMPLE RESULT	mge Σ	6.27	Ø.30
DUPLICATE	3 ppm	6.25	0.40
SPIKE AMOUNT	N/A	NZA	.10
% RECOVERY	N/A	MZA	102%
METHOD USED,	EPA 413.1	EPA 150.1	EPA 425.1
	, , , , , , , , , , , , , , , , , , , ,		3

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

ANALYTICAL REPORT # C46.10352.7

DATE 4/13/87

DATE SAMPLED 3/31 - 4/1

DATE RECEIVED 3/31 - 4/1

SAMPLED BY CVI/JW

LOG DATES 091

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

### REPORT OF ANALYSIS

COMPOSITE ØØ1	PCB		TRICHLOROETHYLENE			
ANALYSIS: DATE	4/9		4/9			
TIME	1300		1360			
TECH	PQ		DR			
SAMPLE RESULT	< i	्रं व ्	dad 2			
DUPLICATE		CGG	2 ppb			
SPIKE AMOUNT			20.5			
% RECOVERY	100		99.5%			
METHOD USED	EPA 6		EPA 601			
GRAB 001	OIL & GREAGE	PH	SURFACTANTS (MBAS			
GRAB 001	OIL & GREASE	PH	SURFACTANTS (MBAS			
GRAB 001 ANALYSIS: DATE	OIL & GREASE	PH 471	SURFACTANTS (MBAS			
GRAB 001 ANALYSIS: DATE TIME	OIL & GREASE	PH 471	SURFACTANTS (MBAS			
GRAB 001  ANALYSIS: DATE TIME TECH	01L & GREASE 4/6 :430 MW	PH 4/1 1635	SURFACTANTS (MBAS 4/8 1310 JM			
GRAB 001  ANALYSIS: DATE TIME TECH SAMPLE RESULT	01L & GREASE 4/6 :430 MW 3	PH 4/1 1635 MW	SURFACTANTS (MBAS 4/8 1310 JM 2.30			
GRAB 001  ANALYSIS: DATE TIME TECH SAMPLE RESULT DUPLICATE	01L & GREASE 4/6 :430 MW 3	PH 4/1 1635 MW 7.67	SURFACTANTS (MBAS 4/8 1310 JM			
GRAB 001  ANALYSIS: DATE TIME TECH SAMPLE RESULT	01L & GREAGE 4/6 :430 MW 3 3	PH 4/1 1635 MW 7.67 7.67	SURFACTANTS (MBAS 4/8 1310 JM 2.30 2.00			

Savid Worker

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

> INVOICE # C46.10352.7 DATE 4/13/97 LOG DATES 090 - 091 RECEIVED 3/31 - 4/1 COMPLETED 4/9/87

INVOICE TO:

REPORT TO:

Accounts Payable Section Amtrak P.O. Box 8518

Mr. Wayne C. La Marche, Mgr.

Philadelphia, PA 19101

Wilmangton Maint. Facility

P.O. #

TERMS: Net 3Ø

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COUTEALL		CX X343 A	

OTY	DESCRIPTION	UNIT		TOTAL
4	<b>2</b> H	5.22	53	20.00
4	OIL & GREASE	20.00		80.00
6	SURFACTANTS .	20.90		120.00
۵	TRICHLOROETHYLENE	35.00		210.00
6	POBINATER	125.00		750.00
<u></u>	DIELDRIN	90.00	,	270.00
8	FIELD TECH HOURS	20.00		160.00

SUB-TOTAL \$1.610.00 LESS 30% 483.00 TOTAL AMOUNT DUE \$1.127.00

ADDRESS WILMINGTON MAIN 400 NORTH CAPITA		LITY		T NUMBER		ARGE NUMBER	D OF PHASE I	•		Expires 2	-29-84
FACILITY WWTP	WILMINGTON	, DELAWARE	_	мо п	TO ST	MO DAY	OTE: Read instruct	tions before		IGNATOR	
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN		(4 Card Only) (38-45)	QUALITY OR CONG			NO.	FREQUENCY	1
(32-37)		AVERAGE	MAXIMUM	BTINU	MINIMUM	AVERAGE	MAXIMUM	· UNITS	(62-63)	ANALYSIS	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	_	*	3	3	,,	0	01/30	GTA
Mon Loc 1 00556	PERMIT REQUIREMENT	•		*	*	10	15	mg/L	0	01/30	GRAB
pН	SAMPLE MEASUREMENT	*	*	*		*	6.27	6.11	0	01/30	GTAT
Mon Loc_1 00400	PERMIT REQUIREMENT	*		*	6.0	4. <b>.</b>	9.0	S.U.	Ò	01/30	GRAB
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	< 1	/1	0	01/30	ComF
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT			•	***	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.30	//	0	01/30	Gras
Mon Loc_1 38260	PERMIT REQUIREMENT			-	* * * * * * * * * * * * * * * * * * * *	* 1	•	mg/L	0	01/30	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	125	,,	0	01/30	Comp
Mon Loc_1 39180	PERMIT REQUIREMENT			•			*	ug/L	0	<b>0</b> 1/30	
DIELDRIN	SAMPLE MEASUREMENT	*	*	<b>4</b>	*	*	۷ ا		0	01/30	ComF
Mon Loc 1 39380	PERMIT REQUIREMENT	•	*	•	•	•		ug/L	0	01/30	ł ·
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	A FAMILIAR WITH THE	F LAW THAT I HAVE P INFORMATION SUBMITTED INDIVIDUALS IMMEDIATE	D HEREIN. AN	D BASED	02/1		TELEPHONE		D A	TE
WAYNE C. LAMATO	OBTAINS IS TRUE NIFICAN THE PO	ING THE INFORMATION E. ACCURATE AND CO IT PENALTIES FOR S ISSIBILITY OF FINE AN	N. ! BELIEVE THE SUB MPLETE ! AM AWARE ! UBMITTING FALSE INFO D IMPRISONMENT SEE !	BMITTED INFO THAT THERE DRMATION, W 18 USC \$ 1	ARE SIGNATION DAVID	S. Robet	Tech:	J731-13	550	87 0	4 13
TYPED OR PRINTED	10170	, 31319. (Fenalties und naximum imprisonment of	ler these statutes may inc hetween 6 months and 5 ye	rlude fines up Mars.)	to \$10,000	ER OR AUTHORIZE	D AGENT CODE	NUMB	<del>~~~</del> ;		O DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (Re	jerence all attachment.	s here)	, <b>(</b>	·					<b>3</b> .	

Expires 2-29-84

PERMITTEE NAME/ADDRESS (Inclinda Facility Name/Location if different)  NAME NATIONAL RAILROA ADDRESS WILMINGTON MAINT  400 NORTH CAPITA  WASHINGTON, D.C. FACILITY WWTP LOCATION VANDEVER AVENUE.	D PASSENGER ENANCE FACI L ST. N.W. 20001	LJTY	AK) DE	(2-16) 0050962 IT NUMBER MONIT	TORING PERIO	OD DAY	OTE: Read instruct			Form App OMB No. Expires 2-	2040-000 29-84 A
PARAMETER				(4 Card Only) (38-45)	(4 Card Only) QUALITY OR CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPL	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)		(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	3	3	ma/!	0	01/30	GTA'
Mon Loc 1 00556	PERMIT REQUIREMENT	*		_		10	15	mg/L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*		*	7,67	S.U.	0	01/30	GTA
Mon Loc_1 00400	PERMIT REQUIREMENT	* 1	ng gar <b>+</b> naga		6.0	* 9.0	3.0.	0	01/30	GRAB	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*		*	*	< \		0	01/30	Com
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT			*	*	* /	*	ug/L	0	01/30	COMP.
SURFACTANTS	SAMPLE MEASUREMENT	*	*		*	*	2.30		0	01/30	GrA
(MBAS) Mon Loc 1 38260	PERMIT REQUIREMENT	•	•	*	*		*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*		*	*	2		0	01/30	ComF
Mon Loc_1 39180	PERMIT REQUIREMENT	•	*	*		*		ug/L	0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER   CERT	FY UNDER PENALTY C	F LAW THAT I HAVE P	ERSONALLY I	EXAMINED (C)	.00/	/	ELEPHONE		D A	TE

TYPED OR PRINTED 'CONTTO

I CERTIFY UNDER PENALTY OF LAW THAT I MAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN: AND BASED ON MY RIQUIRTY OF THOSE INDIVIDUALS HIMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRIFE, ACCURATE AND COMPLETE, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. \$ 1001 AND 33 USC \$1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

Havid Whelyn SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

8-40 302 731-1550 YEAR

OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

### FIELD NOTES - AMTRAK

SAMPLE # C46-090-107-108 3/30/87 - 3/31/87 Start: 3:00 P.M.

Outfall 002A - Opening of 42" drainage pipe into Shellpot Creek. Compositor was suspended inside grated area surrounding pipe opening. Cast iron tidal flap on end of pipe wedged open (free flowing tidal water in and out of pipe). Sample tube was placed 10" below water surface at pipe opening at low tide. Light to moderate rain beginning on a.m. of 3/30/87 continuing through 3/31/87. 24 consecutive samples taken every hour for 24 hours. Grab samples taken at manhole along drainage pipeline.

SAMPLE # C46-091-119-120 3/31/87 - 4/1/87 Start: 3:30 P.M.

Outfall 001 - Outfall into tributary of Delaware River. Sampling tube placed 24" below water surface at high tide. Compositor was placed 3' from pipe opening on bank of creek. 24 consecutive samples taken every hour for 24 hours. Rain clearing in early afternoon of 3/31/87. Grab samples taken at pipe opening. Flow: approximately 2.5 gallons per minute.

Walsh, Field Technician

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE - SUITE 3A NEWARK, DE 19702

ANALYTICAL REPORT # C46.10352.7

DATE 4/13/87

DATE SAMPLED 3/30 - 3/31

DATE RECEIVED 3/30 - 3/31

SAMPLED BY CVI/JW

LOG DATES 090

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

### REPORT OF ANALYSIS

COMPOSITE ØØ2A	DIELDRIN	PCB	TRICHLORETHYLENE			
ANALYSIS: DATE TIME	4/9 1300	4/9	4/9 1300			
TECH	DR	DR	DR			
SAMPLE RESULT			125 ppb			
DUPLICATE		< 1 ppb				
SPIKE AMOUNT		25.				
% RECOVERY			96.4%			
METHOD USED	EPA 608	EPA 608	EPA 601			
GRAB ØØ2A	OIL & GREASE	PH	SURFACTANTS (MBAS)			
ANALYSIS: DATE	4/6	3/31	4/8			
		3/31 1645				
		1645				
TIME	1500 MW	1645	1310 JM			
TIME TECH	1500 MW 3 ppm	1645 MW	1310 JM 0.30			
TIME TECH SAMPLE RESULT	1500 MW 3 ppm 3 ppm	1645 MW 6.27	1310 JM Ø.30 Ø.40			
TIME TECH SAMPLE RESULT DUPLICATE	1500 MW 3 ppm 3 ppm	1645 MW 6.27 6.25 N/A N/A	1310 JM 0.30 0.40 .10 102%			

Navid Whether

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

ANALYTICAL REPORT # C46.10352.7

DATE 4/13/87

DATE SAMPLED 3/31 - 4/1

DATE RECEIVED 3/31 - 4/1

SAMPLED BY CVI/JW

LOG DATES 091

Mr. Wayne C. La Marche, Manager Safety/Environmental Control National Railroad Passenger Corp. Wilmington Maintenance Facility Foot of Vandever Avenue Wilmington, DE 19801

### REPORT OF ANALYSIS

COMPOSITE		PCB		TRICHLOROETHYLENE			
ANALYSIS:		4/9		4/9			
	TIME	1300		1300			
	TECH	DR		DR			
SAMPLE RES	ULT	< 1	< 1 ppb				
DUPLICATE		< 1	< 1 ppb				
SPIKE AMOU	NT	25.		2 ppb 2 <b>0.</b> 5			
% RECOVER	Υ	100	<b>%</b>	99.5%			
METHOD USE	D	EPA 60	EPA 608				
GRAB ØØ1		OIL & GREASE	OIL & GREASE PH				
ANALYSIS:	DATE	4/6	4/1	4/8			
	TIME		1635	1310			
	TECH		MW	JM			
SAMPLE RES			7.67	2.30			
DUPLICATE			7.67	2.00			
SPIKE AMOU	INT	N/A	N/A	. 10			
% RECOVERY		N/A	N/A	92.5%			
METHOD USE	D	EPA 413.1	EPA 150.1	4 150.1 EPA 425.1			

David W. Reber, Tech. Dir.

COOPERATIVE VENTURES, INC. PEDDLER'S VILLAGE, SUITE 3A NEWARK, DE 19702

INVOICE # C46.10352.7 DATE 4/13/87 LOG DATES 090 - 091 RECEIVED 3/31 - 4/1 COMPLETED 4/9/87

INVOICE TO:

REPORT TO:

Accounts Payable Section Amtrak P.O. Box 8518 Philadelphia, PA 19101 Mr. Wayne C. La Marche, Mgr. Wilmington Maint. Facility

P.O. #

TERMS: Net 30

(OUTFALLS 002A & 00	1 - NPDES)
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QTY	DESCRIPTION	UNIT	TOTAL
4	PH	5.00	\$ 20.00
4	OIL & GREASE	20.00	80.00
6	SURFACTANTS	20.00	120.00
6	TRICHLOROETHYLENE	35.00	210.00
6	PCB/WATER	125.00	750.00
3	DIELDRIN	90.00	270.00
Я	FIELD TECH HOURS	20.00	160.00

SUB-TOTAL \$1,610.00

LESS 30% 483.00

----
TOTAL AMOUNT DUE \$1,127.00

Facility Name / Location if different)  NAME NATIONAL RAILROA  ADDRESS WILMY ON MAINT  400 NUMBER CAPITA	ENANCE FACI	CORP. (AMTR	AK) DE 005	(2-16)		RT ( <i>DMR</i> ) (17-19)	O OF PHASE I	•	E	Ex, \2-2	2040-0004 29-84
FACILITY WWTP LOCATION VANDEVER AVENUE,		, DELAWARE	FROM (20-21)			MO DAY	OTE: Read instruct		DESI	IGNATOR_	7287 A
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)				NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MUMIXAM	· UNITS	(62-63)		(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	3	3	mg/L	0	01/30	GTAB
Mon Loc_1 00556	PERMIT REQUIREMENT		*		*	10	15	ilig/ L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*		*	6.27	S.U.	0	01/30	GTAB
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*		6.0	*.	9.0	3.0.	Ò	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*.	<١	ug/L	0	01/30	ComP
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*		*	*.	*		0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.30	mg/L	0	01/30	GraB
Mon Loc_1 38260	PERMIT REQUIREMENT	*	*		*	*	*	3/ _	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	125	ug/L	0	01/30	Comp
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*		*	*	*	-3/ -	0	<b>0</b> 1/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	* *	*	*	*	*	< \	ug/L	0	0130	Comp
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*		*	*	*	ug/	0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
WAYNE C. LAMATCE	AND AR ON MY OBTAIN IS TRU NIFICAN NIFICAN THE PC 33 U S C	M FAMILIAR WITH THE INCURY OF THOSE ING THE INFORMATION E. ACCURATE AND CO IT PENALTIES FOR S SSSIBILITY OF FINE AN C \$ 1319. (Penalties and	F LAW THAT I HAVE INFORMATION SUBMITTED INDIVIDUALS IMMEDIATE I. I HE SU MPLETE I AM AWARE UBMITTING FALSE INFO IMPRISONMENT SEE OF THEIR BEGUIES MAY IN	ED HEREIN. AN ELY RESPONS BMITTED INFO THAT THERE FORMATION. IN 18 USC 5 Include fines up	ND BASED SIBLE FOR ORMATION ARE SIGNICLUDING 1001 AND 1001 AND SIGNATION	S. Robert URE OF PRINCIPAL	Techo 300		550	87 0	4 13
OMMENT AND EXPLANATION OF ANY	3 N 1 1 U 1		hetween 6 months and 5 y s here)	Truin.i	OFFIC	CER OR AUTHORIZE	CODE		ER	YEAR M	O DAY

PERMITTEE NAME/ADDRESS (Include Facility Name/Location of different)  NAME NA NAL RAILROA  ADDRESS WILL NGTON MAINT  400 NORTH CAPITA	D PASSENGER ENANCE FACI L ST. N.W.	CORP, (AMTR	AK) DE	(2-11) 0050962		N BYSTEM (NPDES) T (DMR) (17-19) O ] ARGE NUMBER	)		/	Form App 8 No. vires 2-	2040-0004
WASHINGTON, D.C. FACILITY WWTP LOCATION VANDEVER AVENUE.		. DELAWARE	FROM (20-21)	мо в 03 С		MO DAY	OTE: Read Instruct			GNATOR_/	_
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADIN (54-61)	(G	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	1	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	3	3	ma /1	O	01/30	GTAB
Mon Loc_1 00556	PERMIT REQUIREMENT	*	*		*	10	15	mg/L	0	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*	*		*	7.67	s.u.	0	01/30	GrAB
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	3.0.	0	01/30	
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	< \	,,	0	01/30	Comp
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	Ŷ	*	* /	*	ug/L	0	01/30	
SURFACTANTS	SAMPLE MEASUREMENT	*	*		*	*	2.30		0	01/30	GrAE
(MBAS) Mon Loc 1 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0	01/30	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*		*	*	2		0	01/30	ComP
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	
	SAMPLE MEASUREMENT										1
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	F LAW THAT I HAVE F	D HEREIN: AN	ND BASED / /.	· Parks	1.	TELEPHONI	E	DA	TE
WAYNE C. LAMATO MOR SAFETY E	OBTAIN IS TRI NIFICAN THE PO	ING THE INFORMATION  E. ACCURATE AND COI  IT PENALTIES FOR S  DESIBILITY OF FINE ANI  \$ 1319. (Penalties und	INDIVIDUALS IMMEDIATE 4. I BELIEVE THE SU MPLETE. I AM AWARE UBMITTING FALSE INF D IMPRISONMENT SEE or these statutes may in hetween 6 months and 5 y	BMITTED INFO THAT THERE ORMATION, II 18 U.S.C § 1 Iclude fines up	ORMATION ARE SIG. NCLUDING 1001 AND 10 \$10,000 SIGNATU	S. ReBarres Services of Principal Er or Authorize	D AGENT ARE		550 ER	87 O	
OMMENT AND EXPLANATION OF AN	VIOLATIONS (Re	ference all attachment	s here)		1		COD				

# CRIPPEN LABORATORIES, INC.

RECEIVED APR 0 7 1987

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue

New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue New Castle, De 19720

## **ANALYSIS CERTIFICATE**

April 1, 1987

Laboratory No.

26,213 - 26,215; 26,230

From:

AMTRAK-Receiving Dept. - Wilmington Maintenance Facility

Material:

Wastewater ·

Marked:

Site 001 and 002A

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Lab. No.	26,230	26,215	26,213	26,214
Marked	Site 001 Composite	Site 001 Grab	Site 002A Composite	Site 002A Grab
рН	7.0	6.9	7.0	6.9
Oil and Grease, mg/L		9.0	41 000 000	1.0
Oil and Grease, mg/L		17.0	tiple time date	5.0
		13.0 Ave		3.0 Ave
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L		0.300		0.200
Dieldrin, ug/L			N.D.	N.D.

N.D. = none detected.

Respectfully submitted, CRIPPEN LABORATORIES, INC.

by Raymond C. Crippen, Ph.D. Chemist

26c/osm

The above analyses are the results of samples as sabmitted and identified. Crippen Laboratories, Inc., believe these results to be accurate and reliable. Should it be determined that an arror has occurred, we will redo analysis at no charge. Crippen Laboratories, Inc., in no case will be liable for any special, consequential, or other alledged incurred damages.

PERMITTEE NAME/ADDRESS (Include Facility Name tion. If different)  NAME ONAL RAILROAL  ADDRESS WILMINGTON MAINTE	NANCE FACI	CORP. (AMTRA	<u>AK)</u>	(2-16) 0050962	ITORING REPOR	001	<b>D</b> EOF D	/E6 A0:		Expires 2-	2040-0004
400 NORTH CAPITAL	ST. N.W.		PERM	T NUMBER	DISCH	ARGE NUMBER	RECEIV	/ED AFI	(1)	) 1987	
WASHINGTON, D.C.	20001		- [	. MONIT	ORING PERIC						
LOCATION VANDEVER AVENUE.	MIL MINGTON	DEL AVARE	FROM YEAR		AY TO YEAR	MO DAY			DESI	GNATOR A	A
STATE OF THE PARTY	MICHARIO	<u> </u>	- [87]	(22-23) (24	$\begin{bmatrix} 25 \\ -25 \end{bmatrix}$ $\begin{bmatrix} 87 \\ (2627) \end{bmatrix}$	04 01 N	OTE: Read instruc				_
PARAMETER		(3 Card Only) QU/	ANTITY OR LOADIN		(4 Card Only) (38-45)	QUALITY OR CONC	ENTRATION (54-61)		NO.	FREQUENCY	SAMPLE
(32-37)	$\nearrow$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	OF ANALYSIS (64-68)	TYPE (69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	13.0	17.0	ma /1	1	01/30	GRAB
Mon Loc_1 00556	PERMIT: REQUIREMENT	*	*	*	*	10	. 15	mg/L	0;	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*	*	6.9	*	7.0	S.U.	0	01/20	GRAB
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	3.0.	0	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.	110/1	0	01/30	COMP
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	. <b>^</b>	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	×	0,30	ma (1	0	01/30	GRAB
Mon Loc 1 . 38260	PERMIT REQUIREMENT	*	*	^	*	*	*	mg/L	§0.	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	* .	N.D.	110/1	0	01/30	COMP
Mon Loc 1 39180	PERMIT RECUIREMENT	*	*	•	*	*	*	ug/L	0.	01/30	COMP.
•	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT						•				
	PERMIT REQUIREMENT		1.0								
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE I	F LAW THAT I HAVE P	D HEREIN AN	D BASCO   A	. Cripper	- Rel	TELEPHON	E	DA	TE
Wayne C. La Garder	ON MY	Y INQUIRY OF THOSE I KING THE INFORMATION 'E. ACCURATE AND COM	INDIVIOUALS IMMEDIATE I. I BELIEVE THE SUB MPLETE I AM AWART T	LY RESPONSI BMITTED INFO THAT THERE	BLE FOR PRMATION		302	-571~8	882		
Har. Safety	THE P	NT PENALTIES FOR SI DSSIBILITY OF FINE AND	UBMITTING FALSE INFO MPRISONMENT, SEC 1	DRMATION, IN	OL AND	Crippen, Pr	EXECUTIVE			37 03	31
TYPED ON PRINTED	and or	terrimme subtenuests of	er these statutes may inc between 6 months and 5 ye	lude fines up ars.)	L. SININNO	ER OR AUTHORIZE	4.0.0		BER	YEAR ME	DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (K	ejerence all attachments	here)								

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ADDRESS WI NGTON MAINT	ENANCE FACI	LITY AMIR	DE 00	(2-16 50902 IT NUMBER	<del></del>	(17-19) 002A EN	D OF PHASE I	Elved:	APR	res 2-2	
FACILITY WATP LOCATION VANDEVER AVENUE,	WILMINGTON	, DELAWARE	FROM 87	MONIT  MO D  03 0  (22-23) (24	TO YEAR	04 01	OTE: Read Instruc		DES	IGNATOR	A
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)	·	NO.	FREQUENCY OF ANALYSIS	SAMPLE
(32-37)		AVERAGE .	MAXIMUM	BTINU	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	1	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	3.0	5.0	ma //	0	01/30	GRAB
Mon Loc_1 00556	PERMIT REQUIREMENT	* *	*	*	*	10	15	mg/L	0.	01/30	GRAB
рН	SAMPLE MEASUREMENT	*	*		6.9	*	7.0		0	01/30	GRAB
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*	*	6.0	* -:	9.0	S.U.	Û	01/30	GRAB :
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*.	N.D.	/1	0	01/30	COMP
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	•	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*		*	×	0.20	ma /1	0	01/30	GRAB
Mon Loc 1 . 38260	PERMIT REQUIREMENT	*	*	* •	*	÷	*	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.		0	01/30	COMP
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*	*	*	**	*	ug/L	0.	01/30	COMP
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.		0	01/30	COMP
Mon Loc 1 39380	PERMIT REQUIREMENT	*	*	Ŷ	*	*	. *	ug/L	0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER I CERT	M FAMILIAR WITH THE I	F LAW THAT I HAVE F INFORMATION SUBMITTE INDIVIDUALS IMMEDIATE	D HEREIN, AN	D BASED   🏏 🗥	Cripper	peroane	TELEPHONE		D A	TE
Wayne C. La Youch	OBTAIN IS YEL	IING THE INFORMATION IE. ACCURATE AND COI	INDIVIDUALS IMMEDIATE I. I BELIEVE THE SU! MPLETE I AM AWARE ' UBMITTING FALSE INFO	MITTED INFO	ARE SIG. T	Crippen. Ph	302	2-571-8	3882		
<del></del>	33 US	DSSIBILITY OF FINE AND C \$ 1319. IPenalties und	O IMPRISONMENT SEE	18 USC \$ 10 lude fines up t	COI AND SIGNA	TURE OF PRINCIPAL	ABE			87 03	
AYPED OR PRINTED	and or	ms unum imprisonment of	between 6 minths and 5 s	nars.I	OFF	ICER OR AUTHORIZE	ED AGENT		ER	YEAR MO	O DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all uttuchments here)

TYPED OR PRINTED

# CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST -ANALYST-

4027 New Castle Avenue

New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue New Castle, De 19720

### ANALYSIS CERTIFICATE

March 9, 1987

Laboratory No.

25,931 - 25,933

From:

AMTRAK-RECEIVING DEPT.; Wilmington Maintenance Facility

Material:

Wastewater

Marked:

Site 001 and Site 002A

LABORATORY REPORT

Lab. No.	25,931 - 25,9	32	25,933 - 25,934			
Marked	Site 001 Composite	Site 001 Grab	Site 002A Composite	Site 002A Grab		
рН	6.50	6.70	6.00	6.30		
Oil and Grease, mg/L	<del>-</del>	5.0		9.0		
Oil and Grease, mg/L		0.0/0.0	<del>~~~</del>	0.0/0.0		
		1.7 Ave.		3.0 Ave.		
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.		
TCE, ug/L	N.D.	N.D.	N.D.	N.D.		
Surfactants, mg/L		0.10	der den der	0,25		
Dieldrin, ug/L	Act day day		N.D.	N.D.		

N.D. = none detected

Respectfully submitted, CRIPPEN LABORATORIES, INC.

by Raymond C. Crippen, Ph.D.

2c RCC/osm

ShoulCheminSotthat an error has occurred, as will

The above analyses are the results of samples as submitted and identified. Crippen Laboratories, Inc., believe these results to be accurate and reliable. redo analysis at no charge. Crippen Laboratories, Inc., in no case will be liable for any special, consequential, or other alledged incurred damages.

PERMITTEE NAME / ADDRESS (Include Facility Name / Location If different)  NAME IV ONAL RAILROAL  ADDRESS WILLIINGTON MAINTE  400 NORTH CAPITAL	ENANCE FACI	CORP. (AMTR	DE 00	RGI NI (2-J6)	TORING REPOR	RT (DMR) (17-19)	O OF PHASE I			\ друг имВ No. 2 Expires 2-2	2040-0004
FACILITY WWTP LOCATION VANDEVER AVENUE,	WILMINGTON	, DELAWARE	FROM 87 (20-21)	MO D	ORING PERIO	MO DAY	OTE: Read instruct	ions before		GNATOR	
PARAMETER (32-37)		(3 Card Only) QU/ (46-53)	ANTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CONG (46-53)	CENTRATION (54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE .	MAXIMUM	атіип	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	3.0	9,0	mg/L	0	01/30	GRAB
Mon Loc_1 00556	PERMIT REQUIREMENT	*	*		*	10	15	mg/ L	0	01/30	GRAB
pH	SAMPLE MEASUREMENT	*	*	*	6,0	*	6,7	s.u.	0	01/30	GRAB
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*	•	6:0	*	9.0	3.0.	Ú	01/30	GRAB
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*-	N.D.	/1	0	01/30	GRAB
Mon Loc_1 39516	PERMIT REQUIREMENT	**	*	· ·	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	-1-	*	*	0.25		0	. 01 /20	GRAB
Mon Loc 1 . 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0		GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	.1.	*	*	N.D.	,.	0	01/30	COMP.
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	100 miles (100 miles)	СОМР
DIELDRIN	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.		0	01/30	COMP.
Mon Loc_1 39380	PERMIT REQUIREMENT	*	*	^	*	*	*	ug/L	20 <b>9</b> (300)	50. 11 100,000	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT		1500 1 - 1								• • •
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER I CERTI	FY UNDER PENALTY O	F LAW THAT I HAVE P	ERSONALLY I	EXAMINED 2	A /2	\	TELEPHONE		DA	TE
	ON MY OBTAINI IS TRUE	INQUIRY OF THOSE I NG THE INFORMATION E. ACCURATE AND COI	INDIVIDUALS IMMEDIATE I. I BELIEVE THE SUE MPLETE I AM AWARE T UBMITTING FALSE INFO	LY RESPONSI BMITTED INFO THAT THERE	DEMATION ARE SIG. TO CO.	(, Cup	100 302	571-88	383	87 03	06
	THE PO	SSIBILITY OF FINE AND 1319. IProbablics under	D IMPRISONMENT SEE T or these statutes may inc	18 USC 1 11 Iule fines up	OI AND SIGNATE	IRE OF PRINCIPAL	EXECUTIVE				
TYPED OR PRINTED  and or maximum imprisonment of between 6 munths and 5 years.)  OFFICER OR AUTHORIZED AGENT  AREA  CQDE  NUMBER  YEAR  MO  DAY  MMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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PERMITTEE N ADDRESS (Include Facility Name)  NAME NAI 10NAL RAILROA  ADDRESS WILMINGTON MAINT  400 NORTH CAPITA  WASHINGTON, D.C.  FACILITY WITP  LOCATION VANDEVER AVENUE.	D PASSENGER ENANCE FACI L ST. N.W. 20001	LITY	AK) DE (	0050962  T NUMBER  MONIT	ORING PERIO	OD DAY	OTE: Read instructi		DESIG	OMB No Expires 2	29-84 A
PARAMETER (32-37)		(46-53)	ANTITY OR LOADIN (54-61)	NTITY OR LOADING (54-61)		(4 Card Only) QUALITY OR CONCE (38-45) (46-53)		ENTRATION (54-61)		FREQUENCY OF ANALYSIS	SAMPLE
(		AVERAGE	MAXIMUM	UNITS	MUMINIM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*	*	*	1.7	5.0	(1	0	01/30	GRAB
Mon Loc <u>l</u> 00556	PERMIT: REQUIREMENT	*	*	*	*	10	15	mg/L	0.	01/30	200 m 200
рН	SAMPLE MEASUREMENT	*	*		6.0	*	6,7			01/30	CDAR
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*	*	6.0	*	9.0	S.U.	0000000	©1/30 ©01/30	486 SY 1 1 1 1 1 1 1
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*		*	*	N.D.	,,	0	01/30	GRAB
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	.*	*	*	*	ug/L	0	01/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*	*	*	*	0.10		0	01/30	GRAB
Mon Loc 1 . 38260	PERMIT REQUIREMENT	*	*		*	*	*:	mg/L	0	01/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	*	*	*	N,D,	ua/l	0	01/30	COMP
Mon Loc_1 39180	PERMIT REQUIREMENT	*	*		*	*	*	ug/L	-0	01/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT					100					
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE I	F LAW THAT I HAVE PE NFORMATION SUBMITTED INDIVIDUALS IMMEDIATED	HEREIN AN	D BASED /	PP	T	ELEPHONE		DAT	r E
	OBTAIN IS TRU NIFICAT THE PO	IING THE INFORMATION 'E. ACCURATE AND COI IT PENALTIES FOR SI DSSIBILITY OF FINE AND	I, I BELIEVE THE SUB MPLETE, I AM AWARE T UBMITTING FALSE INFO D IMPRISONMENT, SEE T	MITTED INFO HAT THERE A PRMATION, IN 18 USC \$ 10	ARE SIG.	rippen, Ph	i.D. 302	571-8		87   03	3   06
TYPED OR PRINTED  33 USC \$ 1319. (Penalties under these statutes may include fines up to \$100,000    TYPED OR PRINTED  33 USC \$ 1319. (Penalties under these statutes may include fines up to \$100,000    SIGNATURE OF PRINCIPAL EXECUTIVE  OFFICER OR AUTHORIZED AGENT CODE  OFFICER								YEAR MC	DAY		

AREA

# CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue

New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue New Castle, De 19720

## **ANALYSIS CERTIFICATE**

Laboratory No. 25,744 - 25,

25,744 - 25,745; 25,753 - 25,754

From:

AMTRAK - Receiving Department; Wilmington Maintenacne Facility

Material:

Wastewater

Marked:

Site 001 and 002A

Lab. No.	25,744	25,745	25,753	25,754
Marked	Site 001 Composite	Site 001 Grab	Site 002A Composite	Site 002A Grab
рН	7.05	7.45	7.20	7.15
Oil and Grease, $mg/L$		3.0		5.0
Oil and Grease, $mg/L$		1.0		4.0
PCB's, ug/L	N.D.	N.D.	N.D.	N.D.
TCE, ug/L	N.D.	N.D.	N.D.	N.D.
Surfactants, mg/L		6.9		20.6
Dieldrin, ug/L			N.D.	N.D.

N.D. = none detected

Respectfully submitted, CRIPPEN LABORATORIES, INC.

by Raymond C. Crippen, Ph.D.

Chemist

January 22, 1987

# CRIPPEN LABORATORIES, INC.

CONSULTING AND RESEARCH CHEMIST

-ANALYST-

4027 New Castle Avenue

New Castle, DE 19720

(302) 571-8882

4027 New Castle Avenue New Castle, De 19720

## **ANALYSIS CERTIFICATE**

Laboratory No.

25,744 - 25,745; 25,753 - 25,754

January 22, 1987

From:

AMTRAK - Receiving Department; Wilmington Maintenacne Facility

Material:

Wastewater

Marked:

Site 001 and 002A

none detected

	LABORA'	TORY REPORT			
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Surfactants, mg/L		6.9	-	20.6	
Dieldrin, ug/L		<del></del>	N.D.	N.D.	

Respectfully submitted, CRIPPEN LABORATORIES, INC.

by Raymond C. Crippen, Ph.D.

Chemist

2c RCC/osm

N.D.

PERMITTEE N ADDRESS (Include Facility Name) II different)  NAME NA LUNAL RAILRUAL  ADDRESS WILMINGTON MAINTI  400 NORTH CAPITAL	ENANCE FACII L ST. N.W.		DE (		<del></del>					N Appro 3 No. 20 pires 2-25	040-0004
WASHINGTON, D.C. FACILITY WWTP LOCATION VANDEVER AVENUE.		, DELAWARE	FROM 8.7 (20-21)	MONIT  MO D.  (22-23) (24	TO YEAR	MO DAY	OTE: Read ins	tructions before	DESIGN.		_
PARAMETER		(3 Card Only) QU/ (46-53)	ANTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CONG (46-53)	ENTRATION (54-61)		NO. FR	OF ALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MUMIXAM	UNITS	мимим	AVERAGE	MAXIMUM	UNITS	1 }	64-68)	(69-70)
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	2.0	3.0			L/30 (	CDVD
Mon Loc 1 00556	PERMIT REQUIREMENT	#	*	*	*	10	15	mg/L		1/30	
pH	SAMPLE MEASUREMENT	*	*	*	7.05	*	7,45	s.u.	0 0	L/30 (	GRAB
Mon Loc_1 00400	PERMIT REQUIREMENT	*	*		6.0	*	9.0	3.0.	2000000	1/30	\$\$\$6 pr. \$350p
POLYCHLORINATED BIPHENYLS (PCB'S)	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.		0 0	L/30 (	COMP
Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	.*	*	*	*	ug/L	0 (	1/30	COMP.
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	ѝ	*	-1-	*	*	0.007		0 0	L/30 (	GRAB
Mon Loc 1 · 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0 (	1/30	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*		*	*	N.D.		0 0	L/30 (	COMP
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	**	ug/L	0 (	1/30	COMP.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT			Ī							
	SAMPLE MEASUREMENT						•				
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALT AND AM FAMILIAR WITH T			HEREIN AND	BASED //	~ ()		TELEPHONE		DAT	E
Wayne C. LaMarche Mgr - Safety & Env C	ON MY OBTAINI IS TRU	INQUIRY OF THOSE I NG THE INFORMATION E. ACCURATE AND COI T PENALTIES FOR SI	INDIVIDUALS IMMEDIATES I. I BELIEVE THE SUB MPLETE. I AM AWARE T UBMITTING FALSE INFO	LY RESPONSIE IMITTED INFO IHAT THERE A DRMATION IN	RMATION ARE SIG	(Cupper, I	h. D 1	02-1571-	8882	7 01	22
TYPED OR PRINTED	33080	1 1319. Henalties und	O IMPRISONMENT. SEE or these statutes may inc between 6 months and 5 ye	lude lines up t	" Station   Block N. C	RE OF PRINCIPAL ER OR AUTHORIZE	EXECUTIVE	AREA NUMB		AR MO	DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Re	jerence all attachments	s here)								

PERMITTEE NAME / ADDRESS (Include Facility Name / Location II different)  NAME NAME NATIONAL POLLUTANT DISCHARGE ELIMINATION BYBIEM (NPDES)  DISCHARGE VITORING REPORT (DMR)  (2-16, (17-19)  ADDRESS WILNGTON MAINTENANCE FACILITY  DE 0050962  QUA END OF PHASE I  PERMIT NUMBER  DISCHARGE NUMBER									No. 2040-0004 Expires 2-29-84			
FACILITY WWTP LOCATION VANDEVER AVENUE,	WILMINGTON	, DELAWARE	FROM 87		TO YEAR	02 01 .	IOTE: Read Instruc	ctions before		IGNATOR		
PARAMETER		(3 Card Only) QU, (46-53)	ANTITY OR LOADIN (54-61)		(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)		NO.	FREQUENC	7405	
(32-37)		AVERAGE	MAXIMUM	атіии	мимим	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)	
OIL & GREASE	SAMPLE MEASUREMENT	*	*		*	4.5	5.0	,,	0	) )1/30	GRAB	
Mon Loc_1 00556	PERMIT REQUIREMENT	*	*	*	*	10	15	mg/L	0	01/30	GRAB	
рН	SAMPLE MEASUREMENT	*	*	*	7.15	*	7.20	6.11	0	01/30	GRAB	
Mon Loc 1 00400	PERMIT REQUIREMENT	*	*	*	6:0	*	9.0	S.U.	Ü	01/30	GRAB	
POLYCHLORINATED	SAMPLE MEASUREMENT	*	*	*	*	*	N.D.		0	01/30	COMP	
BIPHENYLS (PCB'S) Mon Loc 1 39516	PERMIT REQUIREMENT	*	*	• <b>*</b>	*	*	*	ug/L	0	01/30	COMP.	
SURFACTANTS (MBAS)	SAMPLE MEASUREMENT	*	*		*	*	0.021	,,	0	01/30	GRAB	
Mon Loc_1 . 38260	PERMIT REQUIREMENT	*	*	*	*	*	*	mg/L	0	01/30	GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	*	*	.1.	*	*	N.D.		0	01/30	COMP	
Mon Loc 1 39180	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	61/30	COMP	
DIELDRIN	SAMPLE MEASUREMENT	*	*		*	*	N.D.	,,	0	01/30	COMP	
Mon Loc_1 39380	PERMIT REQUIREMENT	*	*	*	*	*	*	ug/L	0	01/30	*COMP.	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE I	F LAW THAT I HAVE F	D HEREIN, AN	D BASED	200		TELEPHON	E	D A	TE	
Wayne C. LaMarche Mgr - Safety & Env	Cont THE PO	IING THE INFORMATION IE. ACCURATE AND COI NT PENALTIES FOR SI DSSIBILITY OF FINE ANI C \$ 1319. IPenalties und	INDIVIDUALS IMMEDIATE  I. I BELIEVE THE SY  I. I BELIEVE THE SY  UBMITTING FALSE INF  D IMPRESONMENT SEE  or these setutes may in- believen 6 months and 5 y	BMITTED INFO THAT THERE CORMATION, IN 18 U.S.C. \$ 1 clude fines un	ORMATION ARE SIGNATURE ON AND SIGNATURE OF S	Crippen, I ATURE OF PRINCIPAL FICER OR AUTHORIZE	EXECUTIVE ARE	2-571-8		87 0 YEAR M	1 22 10 DAY	
COMMENT AND STORY CODE NOMBER TEAR MO												

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

